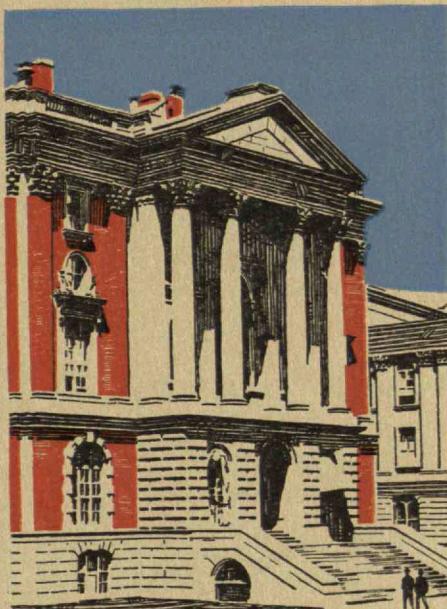


# THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS  
INSTITUTE OF TECHNOLOGY



JULY  
1924

PUBLISHED BY THE ALUMNI ASSOCIATION

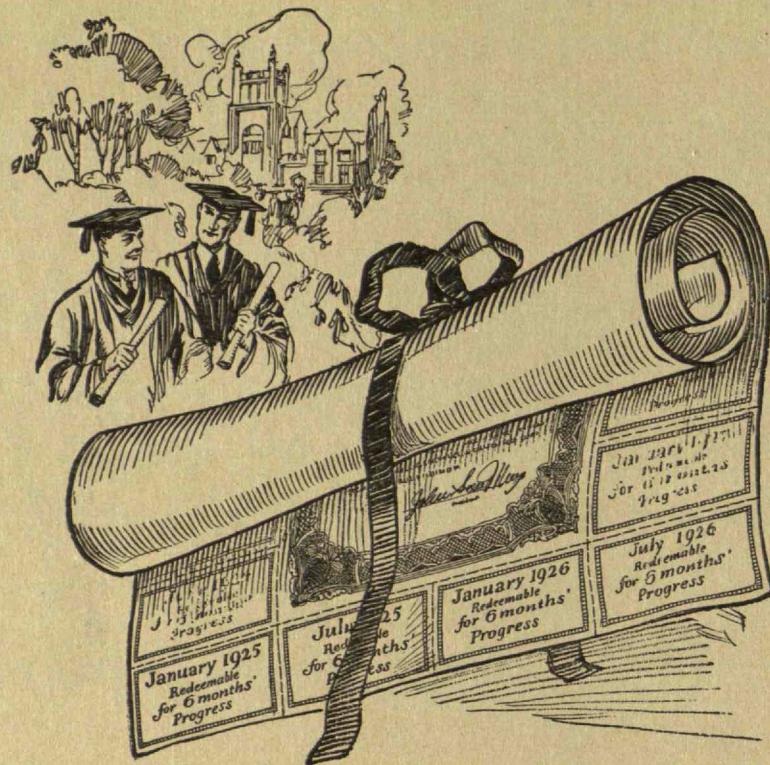
# technology review

Published by MIT

This PDF is for your personal, non-commercial use only.

Distribution and use of this material are governed by copyright law.

For non-personal use, or to order multiple copies please email  
[permissions@technologyreview.com](mailto:permissions@technologyreview.com).



## To you capitalists — the class of '24

Your college training is in truth a capital. Its value is not fixed, but depends on the way you invest it.

Some men demand a quick return — a high percentage of profit. Others look more to the solidity of the investment.

The man of speculative mind may stake all on the lure of a high starting salary, without a thought to the company which gives it or where this may lead him in ten years. True, his opportunism may reap exceptional profit; or else a loss.

The man who knows that great things develop slowly will be content with six months' progress in six months' time—provided he is investing that time in a company which offers him a future.

You who are about to invest, satisfy yourself that the security you are getting is gilt-edged.

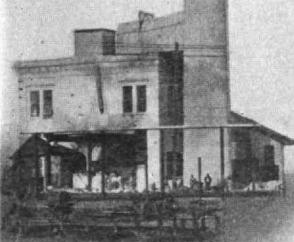
Published in  
the interest of Elec-  
trical Development by  
an Institution that will  
be helped by what-  
ever helps the  
Industry.

# Western Electric Company

This advertisement is one of a series in student publications. It may remind alumni of their opportunity to help the undergraduate, by suggestion and advice, to get more out of his four years.

POWER STATIONS 500 KW. TO 12000 KW.

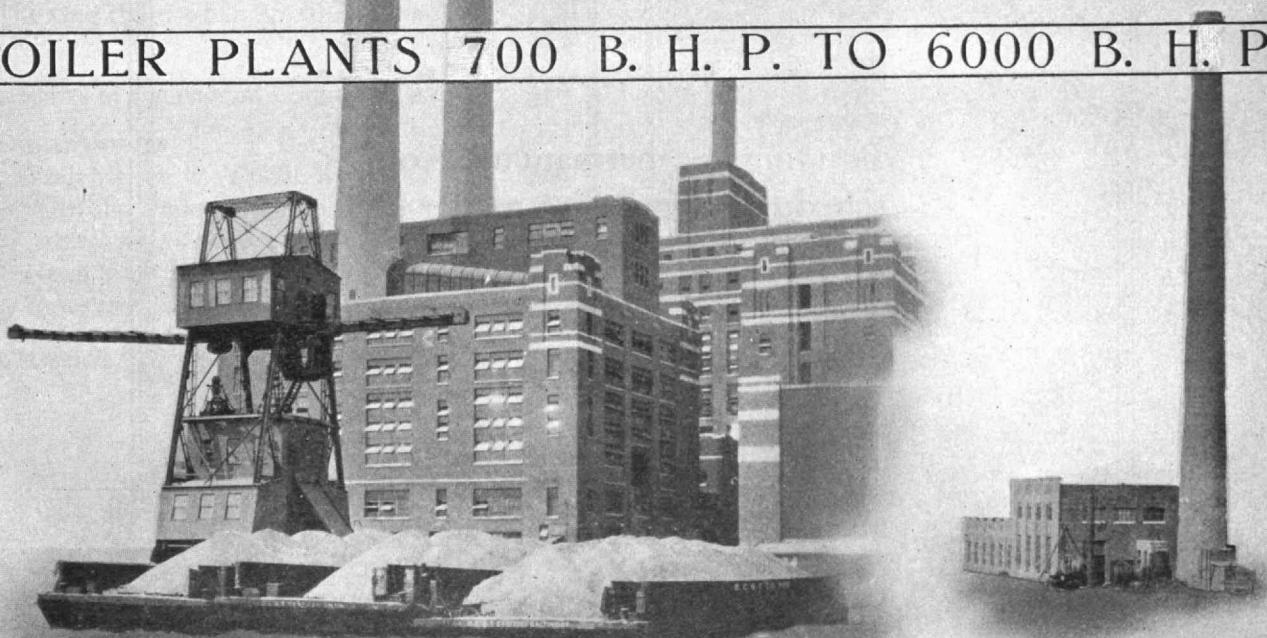
# Industrial Power



MERRIMAC CHEMICAL CO.  
(500 KW.)

PITTSBURGH PLATE GLASS COMPANY  
(12000 KW.)

BOILER PLANTS 700 B. H. P. TO 6000 B. H. P.



AMERICAN SUGAR REFINING COMPANY  
(6000 B.H.P.)

WESTINGHOUSE LAMP CO.  
(700 B.H.P.)

DESIGN-BUILD  
MANAGE  
FINANCE

**STONE & WEBSTER**  
INCORPORATED

BOSTON

PHILADELPHIA

NEW YORK

SAN FRANCISCO,

CHICAGO

## *From a Manufacturer*

"There is no question that our New York Warehouse is the finest of its kind in the country, and Dwight P. Robinson & Company, Incorporated, have done a piece of work that is extremely creditable to them and to us. We shall not forget it."

Building for permanence—on scheduled time—is a matter of primary importance.

### DWIGHT P. ROBINSON & COMPANY INCORPORATED

ENGINEERS AND CONSTRUCTORS

MONTRÉAL

NEW YORK

ATLANTA

CHICAGO

PHILADELPHIA YOUNGSTOWN RIO DE JANEIRO LOS ANGELES

# THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS  
INSTITUTE OF TECHNOLOGY

Published monthly, from November  
to May inclusive, and in July  
at Cambridge, Mass.

Vol. XXVI

No. 8

## Contents for July, 1924

Cover Design by Kenneth Reid, '18

The Past Months . . . . .	433
Editorial Comment . . . . .	438
Olympic Games of an Elder Day . . . . .	439
By Thomas P. Curtis, '94	
Heinrich O. Hofman, 1852-1924 . . . . .	443
By Charles E. Locke, '96	
The Technology Clubs Associated . . . . .	444
The One Hundred and Sixth Meeting of the Council . . . . .	445
Reports of the Annual Council Meeting . . . . .	446
DEPARTMENTS	
Tech Men in the Public Eye . . . . .	450
With the Undergraduates . . . . .	453
Athletics . . . . .	455
News from the Alumni Clubs . . . . .	458
News from the Classes . . . . .	463
Classified Advertising . . . . .	498



H. E. LOBDELL, '17 . . . . . *Editor*  
E. F. HODGINS, '22 . . . . . *Managing Editor*  
R. E. ROGERS . . . . . *Contributing Editor*

PUBLISHED BY THE ALUMNI ASSOCIATION

George L. Gilmore, '90, *President*  
Arthur T. Hopkins, '97, *Secretary-Treasurer*  
Orville B. Denison, '11, *Executive Secretary*

Entered as Second Class Mail Matter at the Post Office  
at Boston, Mass.

Copyright, 1924, by The Technology Review.

TERMS:—\$3.50 a year, in advance; a single copy, 50 cents. To  
undergraduates of the Massachusetts Institute of Technology \$2.25  
per year, in advance, a single copy, 30 cents. Canadian and foreign  
postage, 50 cents per year additional. Back numbers over three  
months old, 60 cents each. Three weeks must be allowed to effect  
changes of address. Both old and new addresses should be given.

# Investment Securities

# Commercial

# & Travelers' Letters of Credit

# Foreign Exchange

May we send you  
a list of high grade  
bonds we recommend  
for investment?

Established 1848  
**Lee, Higginson  
& Company**

New York Boston Chicago

Higginson & Co.  
London



## The whole world in your hands



Rivers that now furnish power for great mills once ran wastefully away. Not in the United States alone, but all over the world, equipment made by the General Electric Company is transforming idle rivers into hard-working servants.

General Electric motors enable one great mill to produce paper enough in a day to cover a 13-foot road from New York to Chicago. Other G-E motors run the huge presses which can print as many as 300,000 newspapers an hour.

So, served by electricity, you breakfast like a king—an electric percolator and an electric toaster on your table, and the world's news in your hands!

# GENERAL ELECTRIC

# THE TECHNOLOGY REVIEW

RELATING TO THE MASSACHUSETTS  
INSTITUTE OF TECHNOLOGY

Vol. XXVI

JULY, 1924

No. 8

## The Past Months

ALTHOUGH it had no twin ceremony of inauguration, graduation this year took rank as a reasonably effective ceremony. The possibility of bad weather held the Institute authorities off from the determination to use the Great Court as the theatre of the event, and being cynical of tents, the Committee in Charge unanimously decided that Walker Memorial was this year the only fit location. Thus it was into Walker Memorial that the capped and gowned figures of the Class of '24 marched on June 10.

As last year, the presentation of degrees was made an individual matter. The diplomas were racked before Dr. Stratton alphabetically and by courses and, the eagle-eyed marshals of the day having seen to it that strict sequence was kept in the line, the presentations were made without a hitch. The successful Seniors marched up one runway, received their awards and marched down another. There were, this year, eleven successful candidates for the Degree of Doctor of Philosophy, six for the Degree of Doctor of Science, and one for the Degree of Doctor of Public Health. A total of one hundred and twelve Master's Degrees were presented and four hundred and fifty-four Bachelor's Degrees. The grand total of diplomas awarded was five hundred and eighty-nine.

Frank Edward Shepard, '87, Director of the United States Mint at Denver, Colorado, delivered the address to the class. The award of commissions in the Reserve Officers Training Corps was made by Major General C. C. Williams, Chief of Ordnance.

Departmental receptions and an open-air luncheon in du Pont Court completed the ceremony.

UNDER startling and tragic circumstances Ernest Fox Nichols, former President of the Institute, died on April 29. Dr. Nichols, who was the eighth President of the Institute, was seized with a heart attack in Washington during his address before the National Academy of Sciences and the National Research Council. He collapsed just as he was concluding an important address on infra-red and electric wave spectra. An ambulance was summoned immediately but death had occurred before the first physician reached him. The death of Dr. Nichols was caused by the same ailment which came close to ending his life shortly after his inauguration at Technology and which prevented him ever from actively entering on his duties as President.

Dr. Nichols was born in Leavenworth, Kan., June 1, 1869, and obtained his Bachelor of Science degree from the Kansas Agricultural College, and his Master



FRANK E. SHEPARD, '87

*The Director of the United States Mint at Denver, Colorado, delivered the Address to the Seniors at the Graduation Exercises on June 10*



THE ROUND-THE-WORLD ROUTE

*International Newsreel*

*A graphic illustration of the path taken by the airplanes of Donald W. Douglas, '14, as they continue the business of making the celebrated Mr. Phineas Fogg look like an amateur. As this is written, they have just reached Bangkok, in Siam*

of Science and Doctor of Science degrees from Cornell. He also received degrees from the University of Berlin, the University of Cambridge in England, Colgate, Clark, Wesleyan, Vermont, Pittsburgh, and Denison Universities. He became Professor at Colgate University in 1892 and at Dartmouth College in 1898.

From 1903 to 1909 he was on the faculty of Columbia University, New York. On June 8, 1909, he became President of Dartmouth College, and in 1916 he became Professor of Physics at Yale. Between 1917 and 1920 he was in Washington as a research associate of the Carnegie Institution and during the World War he was attached to the Navy Bureau of Ordnance, doing scientific work.

In June, 1921, he was inaugurated as the eighth President of the Institute. He has been a Fellow of the National Academy of Sciences many years and became its Vice-President in 1903. He has contributed many papers to scientific journals in the United States and abroad and was considered an authority on wave radiation.

The Review hopes in an early issue to present to its readers a more complete biography of Dr. Nichols and a more worthy summing up of his accomplishments.

THE annual announcement of appointments, promotions and resignations was recently made from the office of the President. The year is notable for the number of promotions to the Faculty from the Instructing Staff of the Institute and notable also in that there are this year only two appointments of professorial grade for anyone not previously a member of the Institute Staff. The list of promotions is as follows: To the grade of Professor: W. Felton Brown, Freehand Drawing; M. S. Sherrill, '99, Theoretical Chemistry; E. P. Warner, '17, Aeronautical Engineering; R. S. Williams, '02, Analytical Chemistry and Metallography.

To the grade of Associate Professor: J. W. M. Bunker, Bio-Chemistry and Physiology; C. P. Burgess, Airship Design; M. J. Shugrue, Economics; G. B. Wilkes, '11, Industrial Physics.

To the grade of Assistant Professor: W. R. Barss, Physics; Evers Burtner, '15, Naval Architecture and Marine Engineering; H. U. Faulkner, History; J. L. Gillson, Mineralogy; A. W. Hanson, Accounting; Winward Prescott, English; C. E. Tucker, '18, Electrical Engineering; Norbert Wiener, Mathematics. H. E. Lobdell, '17, Assistant Dean, becomes Assistant Professor without designation.

Most important among the resignations are those of Professors T. H. Dillon, (previously announced) and Albert Ferran. E. H. Schell, '12, Assistant Professor of Business Management, likewise leaves the Institute for the Harvard Business School. Majors P. H. Ottosen and R. T. Pendleton, both leave the Institute on September first on other details.

SUCCESSFUL among the six candidates for term membership on the Corporation of the Institute in the recent elections of the Alumni Association were George L. Gilmore, '90, of Lexington, Mass., Morris Knowles, '91, of Pittsburgh, Pa., and Redfield Proctor, '02, of Proctor, Vt. Mr. Gilmore is the owner and manager of K. M. Gilmore & Co., and of the Middlesex Bleach, Dye, and Print Works. He was graduated from the Institute in Course II. Mr. Knowles was a Course I man. He is President of Morris Knowles, Inc., Pittsburgh, Pa., and is Chairman of Pittsburgh's City Planning Committee. Mr. Proctor, who like Mr. Gilmore was graduated as a Mechanical Engineer, is now Governor of the State of Vermont.

Earlier than usual this year the Corporation itself makes announcement of the election of three new life members. They are W. R. Kales, '92, Vice-

President of the Whitehead & Kales Company, fabricators and erectors of structural steel works in Detroit; W. H. Bovey, '94, General Superintendent of the Washburn Crosby Company; and Joseph W. Powell, a consulting engineer of Boston.

ONCE again the Institute Faculty is racked by the attempt to decide between the virtues of the two-term and the three-term systems. The faint undercurrent of dissatisfaction with the three-term system as inaugurated in 1919 came to the surface not many weeks ago and produced as its first result a command that the Committee on Undergraduate Courses reopen the question and report upon the advisability of once again revising the curriculum for the return of the two-term system. On May 15 this committee turned in to the Faculty a twelve-page report. Although the Committee was careful not to make any recommendation but rather only to present as many pro and con arguments as could be unearthed, the feeling seems to persist that the three-term calendar is not satisfactory and should be superseded by the semester system which it displaced five years ago. Although the Faculty was at one time within the past few weeks close to a decision, the matter has now been laid on the table for consideration in the fall. If by chance the Faculty should vote a return to the two-term plan, the year of 1925-26 would be used as



*Raymond M. Hood, '03, is the Architect of the new and much-discussed black-and-gold building of the American Radiator Company*

*Courtesy of Pencil Points*

the transition year and in 1926-27 the two-term plan would be reinstated in all its glory, after a lapse of seven years.

ALEXANDER MACOMBER, '07, has accepted the appointment as Chairman of the 1925 All-Technology Reunion Committee and announces that the dates for this next large-scale event in Technology alumni annals will be June 16, 17, and 18, 1925. The first day of this gathering will be a "Home-Coming Day," since the graduation exercises of the Class of 1925 are scheduled for the morning of June 16. Further plans for the reunion will be announced from time to time.

FOR the primary benefit of Seniors and Graduate Students, the Institute in May presented a program of three lectures upon the problem of labor relations. On May 9, Mr. Howell Cheney, silk manufacturer of South Manchester, Connecticut, presented the attitudes and the beliefs of the manager of industry. On May 16, Mr. John J. Kearney, characterized by the official announcement as "a careful exponent of the attitude of labor," presented his side of the perennial discussion and on May 23, Mr. Magnus W. Alexander, Managing Director of the Industrial Conference Board, summed up the problem and sought to present an impartial statement of the attitude taken by both manager and worker. Although no set of three lectures could hope to do much towards letting in to the minds of

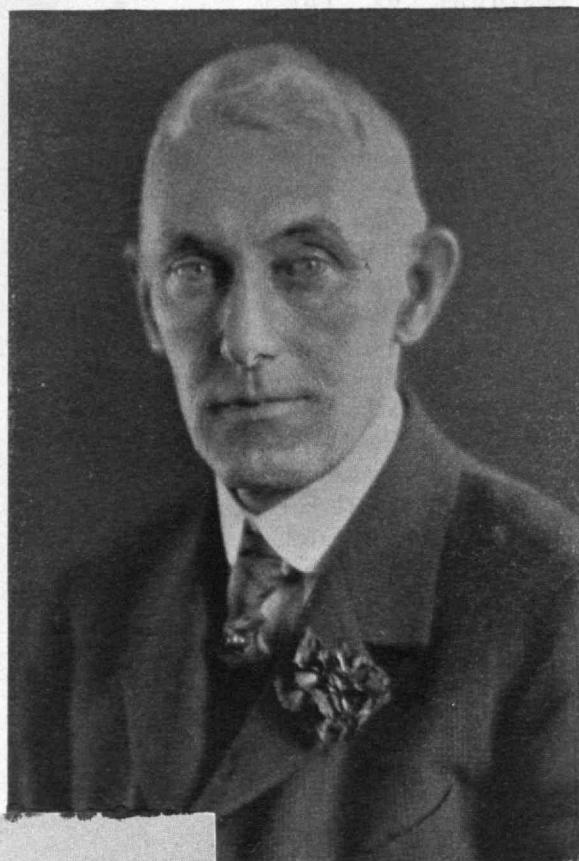


NEW TERM  
MEMBERS  
OF THE  
CORPORA-  
TION

*Left: Redfield  
Proctor, '02*

*Right: George  
L. Gilmore, '90*

*Below: Morris  
Knowles, '91*



Senior or of Graduate Students anywhere much light upon the bewildering and complex problems of the industrial relation in this day, still Technology may permit itself a feeling of considerable satisfaction in that it has at least acknowledged that the problem does exist and is two-sided. The lectures were well attended.

FIFTIETH anniversaries are apt to be rare occurrences and the Class of 1874, which on June 9, 10 and 11 celebrated its semi-centennial reunion, did proud by itself and by the Institute. On Monday, June 9, at 11:45 a.m., a memorial clock was unveiled in the Library of the Institute as the gift of the class. Samuel J. Brown, '74, architect, designed the clock and supervised its installation in the Institute's Reading Room.

At the same time an oil portrait of the late Prof. William Ripley Nichols was unveiled in the Library. It was the gift of William E. Nickerson, '74. Presi-



dent Stratton attended the exercises which marked these dedications and was afterwards host to the class at luncheon in the President's house.

George H. Barrus, President of the class, and Charles F. Read, Secretary, formed the Committee on the reunion.

MEMBERS of the Institute's Staff of Chemical Engineering figured largely in the meeting of the American Chemical Society held recently in Washington. In the Division of Industrial and Engineering Chemistry, Prof. W. H. McAdams, S.M., '17, was prominent as the Chairman of the Symposium on problems of Heat Transfer — problems which have gained

wide interest during the past few years, due to rising fuel costs and the steadily mounting heat consumptions of modern industrial processes. Professor McAdams secured a total of sixteen papers on Heat

Transfer which were presented at the symposium. In addition to the work of Professor McAdams, Prof. W. G. Whitman, '17, and R. P. Russell, '22, of the Research Laboratory of Applied Chemistry, presented two papers on corrosion work. Georges Calingaert likewise delivered a paper in this division on the efficiency of fractionating columns. The section on gas and fuel chemistry contained Technology representatives in the persons of R. T. Haslam, '11, and W. R. Ryan, '18, both Professors in the School of Chemical Engineering Practice, and H. B. Cobb, likewise of the School.

**O**N the evening of May 9 in the large hall of the Pratt Building, the Technology Choral Society, as conducted by Mr. Stephen Townsend, presented a concert which was a memorial to Frederic Field Bullard, '87. Mr. Townsend, together with such diverse personalities as Bliss Carmen, Richard Hovey and Ralph Adams Cram were the boon companions of Bullard thirty-five years ago. Mr. Townsend, now one of the most distinguished choral conductors in the United States, gave a reading to Bullard's music that is long to be remembered and Mr. Cram supplied the program with a note in the form of a graceful tribute to his friend.

Mr. Townsend's chorus of fifty voices was trained with the precision of which he is a master and Mr. George S. Dane, baritone, delivered several solos most effectively.

**A**ND INTERESTING by-product of the recent discussion of the Swope Proposal transpired on May 2, when Bursar H. S. Ford gave out a letter recently received at his office from a Senior, who being in a position to pay the complete cost of his four years of education sat down and wrote a check to the Institute for \$1050.50 to fulfill his "moral obligation." The Senior had previously paid \$1200 in tuition and this additional sum was paid to wipe out the discrepancy between this figure and the total estimated cost of educating one student for four years. The annals of the Institute seem to hold no record of any such happening at any past time.

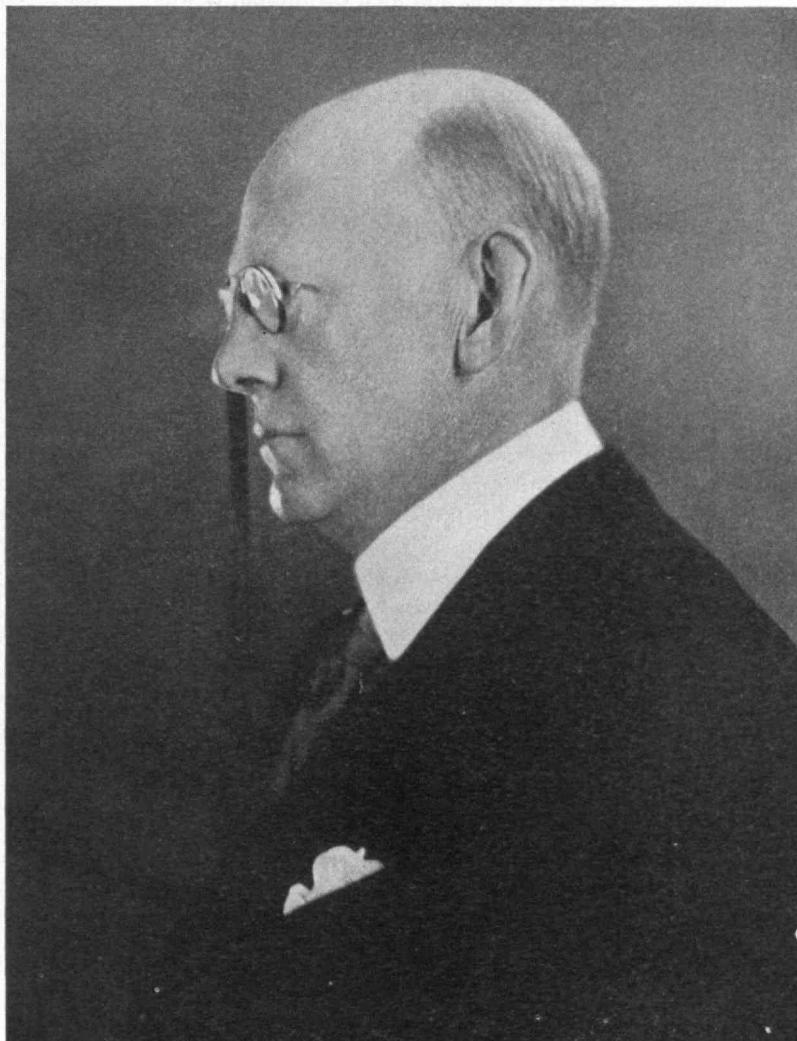
**I**N SANDERS THEATRE at Harvard University on Friday, June 20, at 11:30 a.m., Dr. Stratton delivered the annual Phi Beta Kappa oration. He chose research as the subject of his address and pointed out the manner in which truthfulness, courage and perseverance were fostered by the disinterested pursuit of knowledge for its own sake. At the close of the ceremonies Dr. Stratton was made a member of the Society.

**T**HE Review is not published during the summer months following July. This issue concludes Volume XXVI. Number 1 of Volume XXVII will be published on October 25, and dated November. Readers who bind their copies of the Review are reminded that if they possess eight numbers of Volume XXVI, their files are complete. A printed index to the volume will be supplied post-free upon request.

## Editorial Comment

### The Next Accom- plishment

By the present signs, Technology is getting ready to brave the disapproval of Bertrand Russell who recently gave out an interview to the effect that American colleges had no time to develop their educational sides because they were too interested in new buildings. He seems to have pointed out that Oxford and Cambridge had built nothing new since the Middle Ages, and were great because of it.



ERNEST FOX NICHOLS

*Whose sudden death occurred at Washington, on April 29, from the same illness that halted his Presidency at the Institute almost before it had begun*

Unfortunately, we shall have to wait several hundreds of years longer before the tranquillity of complete establishment comes to bless us. Just at present we are in our own middle ages and must toil at the sweaty labor of rearing walls to enclose and give form to the Institute of the dim future. Thus perhaps it seems for once wise not to heed Mr. Russell but rather to pin the reliance upon James P. Munroe, '82.

Mr. Munroe, having labored hard for over a year at a task set him in the fall of 1922, has now assembled his forces for the realization of what he has now several times referred to as the next big accomplishment which the Institute must undertake. That is the erection, in New York, of a suitably dignified and entirely worthy Technology clubhouse to be the national headquarters for alumni activity.

It is easy to believe that this project will grip the imagination. No one who knows the metropolitan clubs of Harvard, Yale and Princeton can feel that Technology, an institution of like magnitude and, in its field, of equal distinction, should remain content with the modest brownstone front in Gramercy Park. The building was never designed as a commons; it was wooed into accepting its present form with a considerable reluctance and it has never held it with much enthusiasm. Once set in the midst of social activity, the old brownstone front now rises almost high and dry from the desert sands left stranded by the shifting tides of population. The Player's Club adjoins it still, but any Technology man not in the mood for Thespis is a long way from congenial brothers. Transportation systems no longer bother with Gramercy Park; if you would reach it, it will be by detour, and with trouble not well repaid.

The new club, presumably, will be in the latest mode. Imposing entrance, uniformed attendants, deep carpets, swift elevators, panelled walls, timbered ceilings. Such a place as to be admirable in its newness and, when age has laid its patina upon it, to be impressive of traveling English philosophers as quaintly charming in its Twentieth Centuryism.

The idea is undeniably pleasant. Equally pleasant it is to know that Mr. Munroe believes the idea to be of unquestioned financial soundness, and that his plan for the accumulation of capital funds sounds eminently practicable and has already been provocative of enthusiasm. Since beyond doubt the Alumnus visiting in New York will be the one to profit from the new establishment more than the staid resident with his own home, there is every reason to believe that the man from Cleveland, or Detroit, or Shelby, Montana, will be a generous contributor to the campaign which, as we understand it, is scheduled to begin in the fall. If he is, and his fellows likewise, then beyond peradventure we shall soon have an institution built and maintained to bear with grace and distinction the title of "*The Technology Club.*"

**Our Doleful Graduation** Now that the battle has been fought and won and to all intents the cap and gown have been established as a part of our ritual of graduation, the time seems ripe for another crusade against drabness. Can't we, in other words, give thought to the problem of providing a measure of interest, a touch of excitement, a flash of color to one or more of the days preceding graduation — and to graduation itself?

We are stimulated to this question by one more yearly exhibition of the painful contrast between Harvard's Commencement festivities and our own lugubrious requiem. Harvard goes about its annual celebration with care, ingenuity, assurance, artistry, and produces from this combination a vaudeville which lends to the dignity of graduation a froth and gaiety that are altogether charming. It is not apparent that anyone at Technology has given much thought to the imagining of a Class Day spectacle or a Graduation ceremony that will really fill the bill.

There is in this no suggestion that the Institute attempt to ape the Harvard celebration. We are well aware that nothing dies so swift a death as a synthetic custom. But can't we see, some time soon, the stirrings of an idea to utilize the admirable theatre of the Great Court for a Class Day celebration not so tame as the present one? Can't we see the Alumni Association arranging with the Institute and its returning classes that the graduates revisit Cambridge and add their buoyancy to the throng for the first day of their reunion? Can't we see the Faculty, the seemingly detached, aloof, unfriendly, inert Faculty, coerced into making a decent showing once a year? Can't we see the beginnings of a rudimentary stage managership which will provide some close continuity for the events, and make the sisters and the cousins and the aunts, plus other relatives, present or future, of the hopeful graduate, feel that they had been someplace and had seen something?

We owe our community this much, surely, and if but someone competent were to be charged with the task of seeing that we paid the debt as befitting us, no doubt we should be mightily surprised to see how much fun accrued to us from the paying.

If any change is to be made, the present offers the ideal time for beginnings. In June, 1925, the Five-year All-Technology Reunion comes again, and has already a Chairman to begin its plans. The creation of a liaison committee of Faculty and Undergraduates to act with the Alumni would be one immediate step towards the improvement of a situation greatly needing it. Brains and hard work could produce a good deal.

We have the materials, and the properties; the Great Court and the Charles River should provide almost anything that a pageant director should need. In 1916, at the Dedication, they proved their worth. It is not resources that we have so far lacked; it is resource.

# Olympic Games of an Elder Day

*An account of the first modern event: Athens in 1896*

A repetition of the Olympic Games is taking place this summer in Paris, and it is amusing to an old timer to look back and compare the situation twenty-eight years ago, when the games were first revived, with the elaborate program of the present day. Although the public interest at that time, particularly in European countries, was great, in the United States the revival was but little advertised, little understood, and owing to these facts and to the great distance which had to be traversed by competing athletes, only two athletic bodies in this country sent representative teams. One was sent by Princeton University; the other was sent by the Boston Athletic Association. The decision to send this latter team was reached only at the last moment and our little party, of which I was a member, left Boston less than two weeks before the opening event in which we were to compete. Such a condition today would, of course, be impossible. Months and months are given over to preparing the various athletes, entries are made far ahead of the time of competition, and the games, themselves, besides being of much larger proportions, are also carried on over a much longer period of time.

Of course, the Games as held today, particularly when the competition takes place in cities other than Athens, lose all of the romance which so strongly flavored the first revival, and become vast international meetings,

By THOMAS P. CURTIS, '94

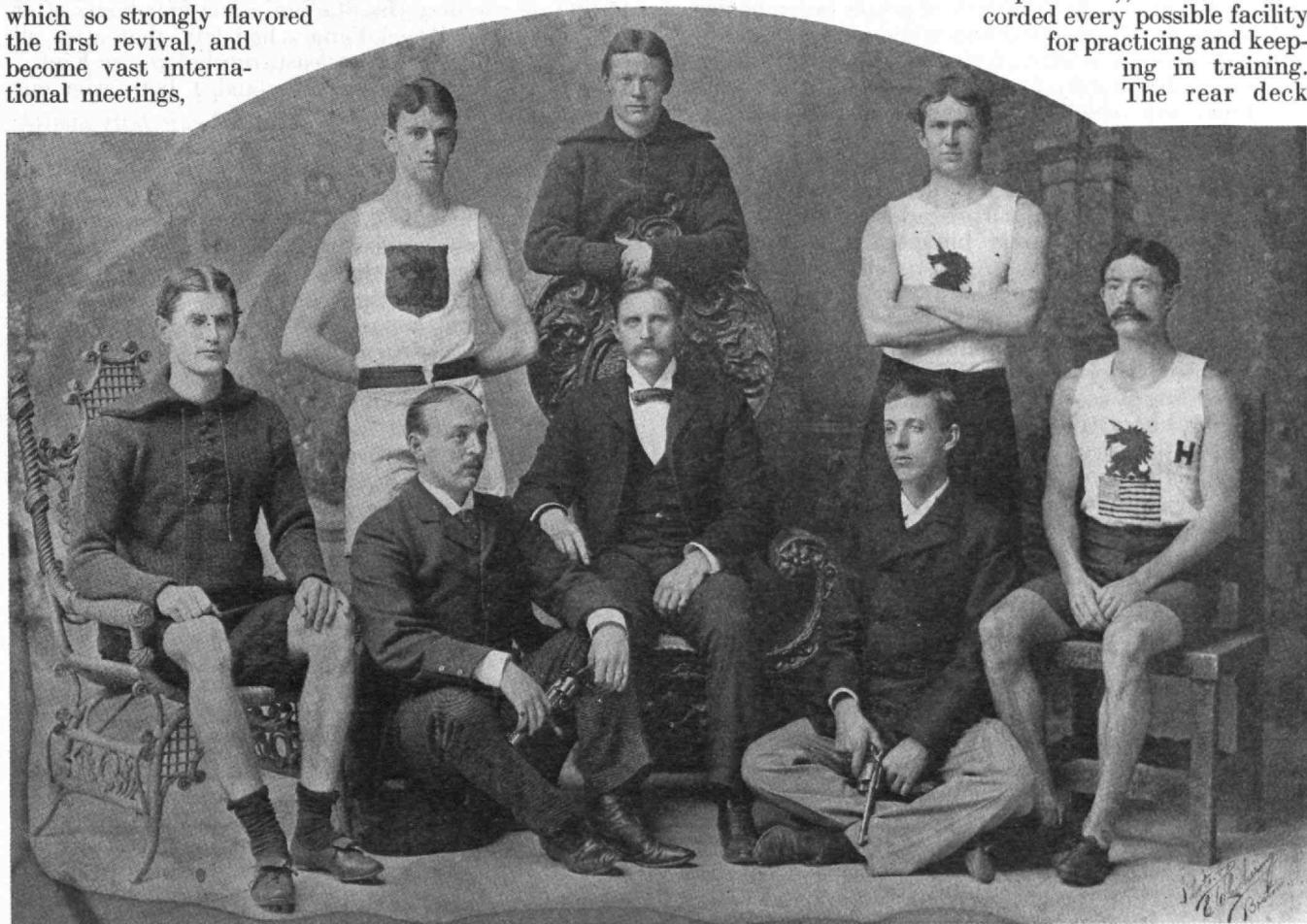
*Member of the first B. A. A. team*

differing but slightly from any local intercollegiate competition of this country, except for the different nationalities involved and the large number of competitors.

In the sports held at Athens in 1896, the records made were not particularly good as compared with the modern marks, largely due to the soft track in the Stadium, which had not been entirely completed, but there was a romance and a novelty connected with them that is hard to describe. This side of it appealed particularly to those of us who had dabbled in the classics and could allow our imaginations to re-people the historic spots with the heroes of old. Our trip was filled with amusing instances, and I wish that I had kept a diary from which I could refresh my memory.

It was late in March, 1896, that our little party, consisting of E. H. Clark, T. E. Burke, Arthur Blake, W. W. Hoyt, myself, and our trainer, John Graham, the athletic mentor of the B. A. A., sailed from New York on the North German Lloyd Steamship *Fulda* for Naples, from which point we were to continue to Athens by train and boat as fast as possible.

Although the steamer was carrying its full complement of passengers (and of course deck room was at a premium), we were accorded every possible facility for practicing and keeping in training. The rear deck



THE FIRST OLYMPIC TEAM OF THE B. A. A.

*Even the nudeness of the day seems out of fashion now*

*Standing: T. E. Burke, Thomas P. Curtis, '94, Ellery H. Clark  
Seated: W. W. Hoyt, Sumner Paine, John Graham, John B. Paine, Arthur Blake*

was cleared daily at about 3 p.m. and for an hour or more we practiced our different events. On the morning of the eighth day we reached Gibraltar, where we were to have four hours ashore, so while the other passengers hired carriages, guides, etc., and spent their time in sight-seeing, we took our spiked shoes and other paraphernalia, and visited the racing park belonging to the English officers stationed there.

By these means we were able to keep in good condition during the entire voyage, and on landing at Naples, a few days later, we were all in the best of training. Training, however, for athletic sports was hardly at the same standard in any of the European countries that it had reached in the United States. I will never forget a stockily built, curly-haired Frenchman whom we encountered on our way from Brindisi to Patras. He confided to me that he was entered in two events, one, the 100-meter dash, and the other the 26-mile Marathon race. He was filled with enthusiasm about both events, and stated very naively that he firmly expected to win one and possibly both. It is difficult to imagine the kind of training he must have been through, but while he was game to the core, he was not successful, as events proved.

From Naples the trip did not last long, fortunately for us, and after a day's run down the Italian coast, and a short stop at the Island of Corfu, we reached Athens on Sunday, April 5, the day before the games were to begin. To our complete surprise we were met at the railroad station by crowds of people accompanied by two bands of musicians and a committee from the Mayor's office. We were greeted most enthusiastically and were immediately formed in line, with one band ahead and one behind, and marched on foot from the railroad station to the City Hall through crowds of people. At the City Hall we found a banquet awaiting us. Speeches were made by the Mayor and other city officials, and great surprise was shown at our hesitation in drinking great bumpers of white wine, which were forced upon us. We finally got away as diplomatically as we could, and upon completion of the ceremonies we were again formed in line, with our accompanying bands, and marched to our hotel near the park, which fronted the Royal Palace. The idea that this form of reception was, perhaps, not the best thing for athletic training, never seemed to occur to the local authorities, but can anyone imagine such a situation in these modern times.

The next morning we took carriages and drove to the huge Stadium in which the Games were to take place that afternoon, and after a short survey of the condition of the track, etc., we returned to be rubbed down and to prepare for the work of the afternoon.

Athens presented a splendid appearance. It was a small city built of very white houses, with white streets, white sidewalks and white everything, and with that background the thousands upon thousands of flags of every color and kind showed out in striking contrast, making the city seem almost like a huge kaleidoscope. Crowds paraded the streets daily with bands, cheering, shouting, and yelling. All business was at a standstill, and during the actual time that the Games were taking place not a shop or business place of any kind was open.

At a little before two o'clock in the afternoon we drove to the dressing rooms just beyond the Stadium, and at two sharp appeared in running clothes in the Stadium itself, just as the Games were about to commence. The sight that met our eyes was one never

to be forgotten. Row after row of people all dressed in holiday attire lined the seats of the Stadium, while at the end sat the King and Royal Family of Greece, the King of Serbia, two Grand Dukes of Russia, and hundreds of officers of different nationalities, all in the gayest of uniforms. A band of almost 200 pieces was playing in the center of the arena the National Anthems of Greece, and altogether the sight was most impressive. Eighty-two thousand people were seated and thirty thousand more, for whom there was no room, were standing tier on tier on a hill that towered above one side of the seats.

The first event on the program was the race of 100 meters in which both Burke and I were entered. There were 24 competitors coming from almost every European nation, and the sensation was an odd one. I was drawn in the first heat, in which were two Greeks, one Englishman, one German, one Frenchman, and myself. Next to me stood the Frenchman, and to my surprise I discovered he was the same stocky little man who had confided to me that he was going to compete in the 100-meter race and, also, in the Marathon event. To my surprise, also, while standing on our "marks," he was hastily engaged in drawing on a pair of white kid gloves, telling me that the reason he did so was, as he expressed it, "Becuz I am to run before ze Kink." He adopted these same tactics a few days later in the Marathon race and ran the entire 26 miles with a pair of white kid gloves on, only to find on reaching the Stadium some four hours after the crowd and Royal Family had left, that after all he did not, in that race at least, run before "ze Kink." It was quite pathetic. Burke and I both won our heats by narrow margins.

One of the most unexpected results occurred in the competition for throwing the discus. This form of athletic sport had been entirely confined to Greece from time immemorial, and no competitor from any other land was familiar with the rules covering the competition or with the proper method of handling the discus itself. Robert Garrett, the Captain of the Princeton Team, a powerful, long-armed athlete, decided to enter this event purely for the fun of it. All other competitors were Greeks, and to see the discus thrown as they handled it was to see grace personified. We are all familiar with the statue of the Discobolus, and the Greek competitors carefully followed the position shown in that work of art. Not so with Garrett, however, who seized the discus in his right hand and swinging himself around and around, the way the 16-pound hammer is usually thrown in this country, threw the discus with tremendous force. His first two attempts, however, were laughable, as the discus, instead of sailing parallel to the ground, turned over and over and narrowly missed hitting some of the audience. Both foreigners and Americans laughed at his efforts, he, himself, joining in the general merriment. On his third and last throw, however, he succeeded in getting the discus away perfectly and, to the chagrin of the Greek champion who had made three perfect throws in the most graceful manner possible, it was found that Garrett's throw exceeded by some two feet the best throw of any other man. I think no one was more surprised than Robert Garrett himself.

The other events that followed were full of interest but in this article I have not time or space to describe them in detail. These races were simply the trial heats and both this day and the succeeding three days were

given up to weeding out the poorer men. Friday was the great day, the day on which the finals were to be run, and, above all, the day on which the great Marathon race was to take place.

One noticeable point was the total lack of organized cheering, which form of expression seems to be confined entirely to this country. Our team was assigned a box in the front row of the Stadium, some fifty feet from that of the King and Queen, and we gave at intervals the standard B. A. A. cheer whenever one of our number was successful in an event. We found we were listened to with a great deal of interest and surprise, so much so that when we had given no cheer for an hour or more the special aide of King George walked solemnly down from the Royal Box, stopped in front of our box, and touching his hat, said in the most solemn voice, "His Majesty, the King — requests — that for him — once more — you will make — that peculiar noise." This we promptly did — the King standing and touching his cap in acknowledgment.

After the Games were over, when taking breakfast with the King one morning, he again insisted that we should repeat the same cheer. It seemed to cause him great amusement and interest. You can imagine our surprise some week or ten days later when, on leaving Athens, we were met at the Railroad Station by the entire student body of the College at Athens, who, as our train pulled out, burst into what they considered a cheer in Greek similar to the one they had heard us give.

The Marathon race was one in which the Greeks took more interest than in any other and for which their athletes had been training a long time. It was run over the historical course from Marathon to Athens that was followed by the soldier in olden days who brought the news of the battle of Marathon to the Athenians. The course was about 42 kilometers, almost 26 miles, and the road was very rough and hilly the entire way. Men of every nationality were entered in this, as in the other races, and one woman wanted to compete, but was not allowed to start. The men were set off at two o'clock, each competitor followed by two soldiers on horseback.

In the meantime, the other events were progressing in the Stadium. In the finals, the Americans were singularly successful. The 100-meter finals came first, in which the first and second men in the trial heat were admitted. As this race came immediately before the finals in the hurdles, our trainer thought it unwise for me to enter, so I was kept out to concentrate all my energies on the next race.

Burke won by a foot with the German champion, Hofman, second; the Greek champion, Chalkocondyles, third; and the American flag was promptly run up on the flagpole set near the entrance. This was done throughout the Games at the end of each contest, thereby enabling the spectators to tell the nationality of the winner, a thing that would have been otherwise almost impossible.

Next came the finals in the hurdle race. Only six men had been left from the trial heats, including a Frenchman, an Englishman, a Greek, and two Germans. The race was nip and tuck from start to finish, both the Englishman and myself clearing the tenth hurdle abreast. I beat him out in the stretch by a scant two feet. As this was the race I had come especially to run, and as I had heard great tales of the prowess of my opponent and his many victories in England, I breathed much more freely and was able

to look at the other final contests with much greater pleasure.

Ellery Clark, who later became America's all-round champion athlete, accounted for two first prizes, winning both the high jump and the broad jump. Arthur Blake took second place in the 1500 meter event, giving the fleet Australian champion, Flack, the race of his life. Hoyt, the Harvard pole vaulter, beat his nearest competitor by three inches, and in the revolver and pistol events, John Paine and his brother, Sumner, who had entered as free-lances, won handily.

At about half past four a gun was heard — the signal that the first one of the Marathon runners had been sighted. The excitement was intense, everyone wondering whether the man was Greek, American, English or French. All contests then in progress were temporarily stopped to await the arrival of the winner. In the course of a few minutes a tremendous cheering was heard outside the gate of the Stadium, and a man in the dress of a Greek peasant ran up the steps and onto the track, making his way towards the King's throne, in front of which had been placed the finish line. His appearance showed the tremendous effort that he had made, and the fearful ordeal he had undergone. He was covered with dust and grime, the sandals that he wore on his feet were in rags, and his drawn face showed the strain he had suffered. His name was "Loues" and he was a Greek donkey driver from the little town of Marousi.

As soon as the people were able to recognize him, the cheering and clapping of hands that broke forth was deafening. Hundreds of pigeons which had been kept concealed until then were set free, with Greek flags tied to their feet, hats were thrown in the air, the Crown Prince walked onto the track and congratulated Loues, and all the pent up enthusiasm that the Greeks had been saving up during the past six months for this very event, broke loose with a vengeance. It was almost a half-hour before any sort of peace was restored.

Of the other thirty competitors that entered this race, some fell out almost at once, others stood it until the twentieth mile, but only seven men finished, and the time made was really remarkable when the condition of the roads is taken into account. Our representative, Arthur Blake, was leading at the twelfth mile, but was unable to continue, owing to the conditions.

By winning this race, Loues won for himself everlasting glory throughout Greece. His name has been carved over the entrance to the Stadium, he was given 25,000 francs by an enthusiastic Greek banker, he succeeded in marrying his sweetheart, whom her father had hitherto kept from him on account of his poverty, and wherever he went he was received with shouts of welcome as the man who had vindicated the glory of Greece against the athletes of all the world.

One thing only remained to keep us in Athens after this, and that was the giving of the prizes. Once more the huge crowd assembled for a ceremony that proved to be most impressive. A platform had been put up at the end of the Stadium directly in front of the King's box, and on this were placed the prizes, which consisted of an olive branch cut from the sacred grove of Olympus, a large silver medal especially designed, and a diploma, consisting of a symbolic engraving giving the name of the winner, the race won, etc., in Greek letters.

The second men received a branch of laurel and a

bronze medal. The successful competitors were drawn up in two lines on either side of the platform, winners on one side and second men on the other, while Captain Hadjipetro, the Aide-de-Camp of Prince George, called out in a stentorian voice the name of each man, his nationality, and the race that he had won.

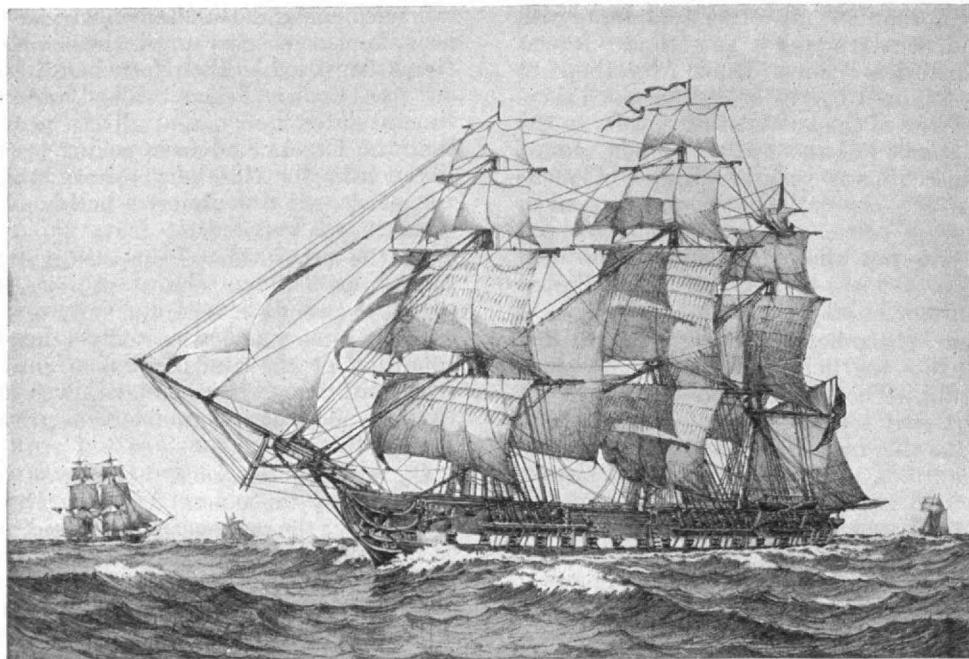
As each man's name was called he ascended the steps of the platform and received from the King his prizes, after which the King shook hands with him and congratulated him. As soon as all had received their prizes, a procession of the victors was formed, and with Loues leading, carrying the Greek flag, we marched solemnly around the track amid the frantic cheers of the crowd, who at every wave of Loues' flag would shriek with joy. They were like children. As soon as the circuit was completed, the King advanced to the Crown Prince, and in the presence of everyone, kissed him on both cheeks, declaring in Greek that the Olympic Games of 1896 were over. After this, as soon as the King and Royal Family had withdrawn, the crowd dispersed and we were left to our own devices until the day should come on which we were to leave.

During the week following the Games, our American team was involved in continuous fêtes. We were shown

about the country by the three Princes, took dinner with them, went to dances and cotillions at the American Minister's, Russian Minister's, and elsewhere, and in our progress through the streets were greeted with cries of "Nike, Nike" [Victor]. Small shopkeepers insisted that we enter their stores and accept neckties, handkerchiefs, etc., for which they refused to accept payment, and which we were warned we should accept in order not to cause hurt feelings. This at times was very embarrassing.

We left on Friday, a week after the close of the Games, and our train in crossing Greece from Athens to Patros, was given a continuous ovation. We were met at each way-station by bands of music and crowds of people, our car was decorated with flags and ribbons, and on arriving at Patros, we were not allowed to move from the train until a procession had been formed, with bands and boys carrying torches, which escorted us to the hotel. That night we sailed up the Adriatic to the Island of Corfu, where we had four hours ashore, and thence to Brindisi.

We arrived in Boston on May 7, after a trip of a little over seven weeks, a trip which I think few of us will ever forget.



*Courtesy of Goodspeed's Book Shop*

THE U. S. FRIGATE "CONSTITUTION"

A lithograph by George C. Wales, '89

Says *The Printing Art*, "Although reduced from a lithographic print 13½ inches by 19¾ inches, this half-tone reproduces very satisfactorily the grace of line and the air of dignity which the artist put into his original. Moreover, it is probably the most artistic, and at the same time the most correct, print of that ship which has ever been published."

# Heinrich Oscar Hofman: 1852-1924

An appreciation of the late Head of the Department of Mining and Metallurgy



Professor Hofman's death occurred on April 28

By CHARLES E. LOCKE, '96  
Associate Professor of Mining Engineering  
and Ore Dressing

His life span of seventy-two years ended on April 28 this year; in work accomplished it would equal over one hundred years of an average man; in terms of usefulness many more years must be added; for the effect of Professor Hofman's work will continue long after many of us are dead and forgotten.

When the writer of this article graduated in 1896, his

student impressions were that the man was well versed in his specialty, somewhat strict but nevertheless fair with his students, conservative in his attitude, inclined to be reserved in his intimacies, and extremely careful and thorough in his work. This probably represents the general impression which the average student received in the classroom. It was only to those who had closer relations such as the writer obtained from thirty years of association at Technology that the real Hofman was revealed. To graduate students, and in the intimacies of summer schools, the pedagogue disappeared. I recall an evening at Mineville in the Adirondacks, where, in the homelike sitting room of a private house, the atmosphere and the surroundings were ideal and Hofman was at his best telling stories of his early life so that from that night on, every fellow in the party felt that Hofman was a boy like himself.

On the Technology Faculty he never sought leadership and for this reason many of the younger members did not have a real, intimate knowledge of him. As a teacher and writer he had little taste for general administrative work, although when such work came to him he did it excellently and with his characteristic thoroughness. As Head of the Department of Mining after the retirement of Professor Richards he divided responsibility with the other members of the Department and thus continued the *esprit de corps* which had existed under Professor Richards. Along certain lines, especially as a member of the committees on library, he was of great help to the Faculty. The Mining Library was his special care. No mining book was published, no periodicals appeared, and no articles were written, either in English or in foreign languages, which did not come under his observation.

His biography throws some light on the moulding of his career and the development of his personal qualities. Born August 13, 1852, at Heidelberg, Germany, where his father was a professor in the University. (His mother was English.) Naturalized with his brothers in Switzerland to avoid the military duty of the Prussian system with which his father was not in sympathy. Educated in the thorough German

schools up through Heidelberg University, specializing in science and finally graduating in 1877 from the

Clausthal Mining Academy with the degree of Mining Engineer and Metallurgical Engineer. Four years practical experience in Europe. Journey to America in 1881, a bold step leading to new experiences. Four years of practical experience from 1881 to 1885 as metallurgist for various companies in Missouri, Kansas, Delaware, Colorado and Mexico. Special lecturer and on private work for Professor Richards at Technology, 1885 to 1887. Professor of Metallurgy and Assaying at South Dakota School of Mines, 1887 to 1889. Assistant Professor, Associate Professor, and Professor of Metallurgy at Technology, 1889 to 1922. Head of Mining Department after Professor Richards' retirement, 1915 to 1920. Professor Emeritus and Carnegie pensioner, 1922. Doctor of Philosophy at Ohio State University in 1889. Honorary Member A. I. M. E. (only sixteen others), 1921.

His mind did not accept information instantaneously and without question. Knowledge which he permitted to become lodged in his brain had to be clearly presented, fully demonstrated and carefully considered before it could be admitted; but once an idea was accepted, it was assured of a permanent home unless some later idea could demonstrate its ability to displace it. He aimed, moreover, to keep his storehouse of knowledge filled with an up-to-date stock on its shelves. His chemistry, for example, as learned in Germany, was not the chemistry of today and in the course of his teaching and writing he found that modern developments and theories in physical chemistry and electrochemistry were having a marked effect on metallurgy so that he felt it necessary to familiarize himself with the new chemistry — which he did. In other lines he followed the same procedure. Thus he came to present a curious combination of progress and conservatism. He made no change if no reason existed for it. He had the latest ideas in metallurgy and he always spoke in English, but as long as he lived he continued to calculate in German and usually audibly. The writer will never forget the picture of seeing him thus engaged and of hearing "Zwei geht viermal," and so on. In this way he accumulated a wonderful store of accurate knowledge and at the same time developed an unusual power for analyzing and sifting information which came to him and accepting only the good.

Hofman was an example of a man who found his special sphere and was happy in having found it and in doing his work with his whole heart and soul. He accomplished much. He did not do all he wanted to do. Two years ago he had work laid out in writing along metallurgical lines to keep him busy for twenty years. It is the world's loss that he was not spared to carry out his plans. Technology is to be congratulated on having had the good fortune to secure such a man. No better expression can be made than to quote the words of Professor Richards on the loss of his associate. "What grief we all feel when we think what a decade of life would have meant to his family, to the school, and to the world. Such a fine man, such a fine scholar, such a fine metallurgist, such a fine writer, rarely come together, all in one man. His memory will long stay with us as a shining light to help illuminate our path."

# The Technology Clubs Associated

*They met in Detroit on May 19, 20 and 21*

Marked by painstaking preparations and careful execution of detail, the Detroit Meeting of the Technology Clubs Associated, on May 19, 20 and 21, proved a worthy successor to its several predecessors. The registration of out-of-town Tech men and guests, although considerably smaller than had been hoped for by the committee of Detroiters, was fairly representative in geographical distribution.

Headquarters were established at the Hotel Tuller, and the morning of the opening day was devoted to registration under the direction of H. T. Graber, '03, Vice-President of the Detroit Technology Association. The make-up of the Detroit Committee in charge was as follows: W. R. Kales, '92, General Chairman; M. S. Dennett, '11, Aide; P. C. Baker, '16, Secretary; E. M. Eliot, '06, Treasurer; H. T. Graber, '03, C. F. F. Campbell, '01, L. E. Williams, '02, C. F. Hammond, '91, D. V. Williamson, '10, A. L. Moses, '09, Waldso Turner, '04, J. N. French, '11, T. K. Hine, '16, W. R. Strickland, '98, H. L. Lord, '98, J. C. Hawley, '93 and Mrs. M. S. Dennett.

On Monday afternoon automobile sight-seeing trips were arranged, followed by a tea at the Detroit Country Club. In the evening there was a Smoker for the men, and a Bridge Party for the ladies on the fourteenth floor of the Hotel Tuller.

Tuesday might well have been known as "Industrial Day." In the morning the men visited Ford's River Rouge Plant. Lunch was provided at the Burroughs Adding Machine Plant.

The general business meeting was held at the Hotel Tuller, Tuesday evening. President Stratton spoke informally concerning what Technology is doing, and what plans he has in mind for the future. Professor W. H. Lawrence, '91, gave a picture of the work now being accomplished by the Architectural Department; Professor Edward F. Miller, '86, Head of the Department of Mechanical Engineering talked on the activities of his Department; and Professor Dean A. Fales, '15,

gave some details of the option in Automotive Engineering.

The appointment of a joint committee of the Alumni Association and the Technology Clubs Associated to consider the advisability and possibility of the erection of a new Technology Club in New York City, having been suggested by the Alumni Council at its April meeting, was authorized by the meeting. It was voted to accept the offer of the Cincinnati Technology Club to have the next meeting in Cincinnati. O. B. Denison, '11, was reelected Secretary-Treasurer. The selection of a President and two Vice-Presidents was left to the discretion of the Cincinnati Club.

Following a discussion of the real value of the Technology Clubs Associated it was, upon motion of J. Lloyd Wayne, 3d, '96, Secretary of the Indiana Association of the M. I. T., voted that President Kales should appoint a committee of five, selected from clubs in various sections of the country, to determine the proper functions to be performed by the Technology Clubs Associated and report to the Executive Committee of the Technology Clubs Associated and to the Alumni Council.

One of the most delightful events of the entire session came on Wednesday, when the Steamer *Owana* was chartered for a trip on the Detroit River.

The meeting came to a successful conclusion Wednesday evening with a banquet at the Hotel Tuller. Granger Whitney, '87, was toastmaster and the speakers were John C. Lodge, President of the City Council, City of Detroit; Dr. Mortimer E. Cooley, Dean of Schools of Architecture and Engineering, University of Michigan; Dr. Stratton, and Thomas B. Booth, '95, President-elect of the Alumni Association.

With the singing of the "Stein Song" and the execution of the old Scottish form of greeting, whereby every person present when leaving the room shakes hands with each other in rotation, the affair came to a conclusion the latter part of Wednesday evening.



AT DETROIT

*Our count of this photograph reveals ninety-seven members of the Technology Clubs Associated present, but perhaps we're off a little.*

# The One Hundred and Sixth Meeting of the Council

*A clubhouse is built and a new Harvard Bridge is erected, but the by-laws still give trouble*

If the meetings of the Alumni Council were programmed, it would have been necessary at this one hundred and sixth affair to add to the conventional credit lines of "Witticisms by Joe Miller," "Mr. Denison's costumes by Kuppenheimer" an additional — "Dinner by A. W. Rowe, '01." For it is the truth that the Epicure of Minnesota was responsible (or has subsequently been held responsible) for this one hundred and sixth meal. At any rate, he planned it, spent weeks upon the design of it, labored unceasingly with the detail of it, wrought lovingly at the courses of it — and was then called out of town upon the night of it. The absence of his supervision was unhappily noticeable. Members of the Council learned in historic-mythological affairs were unable to determine whether he should be classed as a Lucullus or a Barmecide, and the mixed grill which he had called for was downright confused. But it was in his absence, and he in no wise responsible. Better luck next time, seemed the sentiment.

Mr. Gilmore called the disappointed Council to order at 7:57 with the announcement that the Technology Club of Norway, newly formed, was now represented in the person of Ragnar Naess, '23. Mr. Naess rose and bowed modestly to applause.

The Executive Secretary then delivered statistics on the annual ballot. Outstanding in the report, although scarcely unexpected, was the announcement of election of Thomas B. Booth, '95, as President of the Association next year. Also, a lot of other gentlemen were elected to a lot of other jobs. Mr. Denison called for a "Regular M. I. T. with three Booths" — and they came along in a row; one there . . . one there . . . and one *there*.

To this, Mr. Booth responded with a brief and informal inaugural whose burden was "Unaccustomed as I am to Alumni Presidening." He expressed the hope that despite his inexperience his fellow officers would find it possible to "iron out the green spots," which struck The Review's Young Man as the finest thing of its kind since the Dean of Mariposa suggested that if every man set his hand to the plow it would soon be guided into deeper waters, following which they might find their sails and sit every man under his own olive tree.

Mr. Gilmore, having announced the appointment of O. B. Denison, '11, as Executive Secretary for 1924–25, busied himself for the

next five minutes in explaining all the illegalities, lapses of judgment, torts and violations of the penal code which the Council had committed in his absence at the one hundred and fifth meeting. Everything had been pretty bad, but Mr. Gilmore seemed to have complete plans for correction, to the great easement of all members save A. F. Bemis, '93, who, although absent, had sent a letter to

Mr. Gilmore suggesting referendums and other politically Lafollettish things. Mr. Gilmore read the letter, but the Council did not stir out of its comfortable coma far enough to take any action in the premises.

H. P. Eddy, Jr., '17, then reported for the (inhale sharply) Special Committee for Nomination of Members for Advisory Councils, and presented for the pleasure of the Council the following nominees:

Athletics, R. C. Thompson, '13; Budget, Arthur R. Stubbs, '14; Musical Clubs, W. T. Hall, '95; Undergraduate Publications, H. E. Lobdell, '17; Walker Memorial, F. A. Hannah, '95, A. M. McMorran, '21.

The Executive Secretary was instructed to cast one ballot, and did so, miraculously electing the whole slate at one stroke.

Mr. Gilmore then brought up mention of the Detroit Meeting of the Technology Clubs Associated, at that time impending. D. J. McGrath, '12, reported that New York hoped for a delegation sufficient to pack neatly into a special Pullman, and for a few moments the meeting took on a Raymond-Whitcomb aspect.

A call upon James P. Munroe, '82, however, dissipated this. Mr. Munroe, with some few reams of note paper, was on hand to present to the Council the embryonic plans for the new Technology Club, to be located in the Pershing Square district of New York. Mr. Munroe set forth the proposed plan of his Investigating Committee to raise, from the Alumni-at-Large, and other appropriate sources, the sum of a million and a quarter of dollars, to purchase a suitable site in the metropolis of the country, and to erect upon it a building to be the dignified headquarters of the Institute's social activities. A Technology holding corporation, thought Mr. Munroe, would provide the proper machinery for financing the project. The building could be fifteen stories in height and utilized half by the Club and half for rental as apartments, the division being vertical. Sufficient "young Technology married people," thought Mr. Munroe, probably existed to absorb the apartments without much necessity for outside rentals. The plan seemed eminently feasible to him (who should know) and he spoke from start to finish lengthily but absorbingly, with much fervor and with much conviction.

A touch of excitement was lent to his exposition, also, by the fact that a prominent New York Alumnus had continuously opposed the idea, with, Mr. Munroe believed, no justification whatever. Wherefore Mr. Munroe undertook, with neat savagery, to execute the opponent and hang his pelt up to cure. The Council watched the faultless surgery in awed silence.

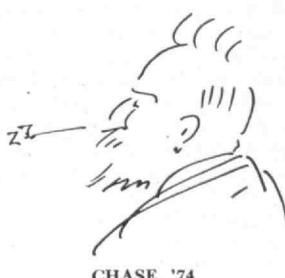
R. H. Howes, '03, President of the existing New York Club, followed Mr. Munroe, and emphasized the plan as one aimed largely at the benefitting of the Alumnus not resident in New York. The New Yorker, Mr. Howes, insisted, could continue with present facilities; it was the transient who needed the new clubhouse. Let it not be *[Continued on page 454]*



MACOMBER, '07



HOWES, '03



CHASE, '74

# Reports of the Annual Council Meeting

*The more important documents presented at the 107th meeting are here reprinted*

## REPORT OF THE SECRETARY-TREASURER

**Membership:** The membership of the Association on January 1, 1923, was 9972. This membership was increased by 104 graduates in January, 1923, 710 graduates in June, 1923, and by 122 elected members and 1 honorary member. The number has been reduced by the death of 41 members and 4 who resigned from membership, making a total membership on June 30, 1923, of 10,864. (In view of the change in organization, members were not dropped from Associate Membership for the non-payment of dues, because of the belief that they might be retained on our list due to the work of the new Executive Secretary.) Of this total membership, 395 are Life Members, a gain of 12 during the period from January 1 to June 30, 1923. Of the deceased during this same period, 3 were Life Members.

**Dues:** During the period from January 1, 1923 to June 30, 1923, 4900 members paid dues. As this does not cover the same period of time as the preceding year because of our change in fiscal year, it does not seem fair to make a comparison as to percent, yet the percent, computed, is 45 as compared with 43 last year.

**Meetings and Topics of Discussion:** The season began with the ninety-ninth meeting of the Council. There have been eight meetings this year with an average attendance of fifty-seven. This average shows a decided increase over the attendance of last year when the average was only forty-five. Certain class representatives are never seen at these meetings. It seems that the classes that are thus unfortunately represented should replace them by men whose circumstances and inclinations will enable them properly to represent their classes. Once during the season (January 28) a joint meeting with the Faculty Club was held at which eighty-seven were present, including members of the Faculty Club and fifty members of the Council. This meeting was devoted to the discussion of "Some Modern Methods of College Admission." The principal speakers were Dean Herbert E. Hawkes of Columbia University, President C. C. Little of the University of Maine and President Arthur E. Morgan of Antioch College.

On January 11 a special meeting of the Council was held, at which Gerard Swope, '95, President of the General Electric Company, presented to the Council his ideas on a tuition finance plan for the Institute. Mr. Swope's remarks were listened to with a great deal of interest by the Council and a discussion of the advantages and disadvantages followed. It is hoped at some later Council meeting to have a further discussion of the matter.

At the first meeting in the fall, which was held in September, the retiring Term Members on the Corporation met with the incoming Term Members, as usual. By their own request in an endeavor to start the year with a clean slate, the Committees on (1) Alumni Fund, (2) Revision of Constitution and By-laws, (3) Honor System at Technology, were discharged, having fulfilled their purposes. At this meeting plans for the work of the newly-appointed Executive Secretary were discussed, the principal plan being that the Secretary should visit, during the coming season, the various Local Clubs in the United States in an effort to bring conditions at the Institute to their attention and to further alumni work. This plan has met with the hearty approval of the Local Clubs.

As the October meeting was the one-hundredth meeting of the Council, Walter Humphreys, '97, who for 16½ years had been Secretary-Treasurer of the Association, gave an inspiring talk on "The Development of the Alumni Association," outlining the work which the Council has accomplished during this period. At this meeting, as a token of appreciation for his long service, the Council presented Mr. Humphreys with a handsome gold watch appropriately inscribed.

**General Meetings of Alumni:** The usual Annual Dinner of the Association was held in January. The striking feature of this event was the unveiling of the Mural paintings by Edwin H. Blashfield, '69. On March 7 an All-Technology gathering in the form of a Radio Dinner was held at the Waldorf-Astoria in New York City, under the auspices of the New York Technology Club. This was a very successful and historical event, being the first dinner of its kind.

**Reports of Committees:** Report was made at the first meeting of the season that work was being started on a five-story unit of an ultimate group of a three or six unit dormitory. This work was made possible by the gift of \$100,000 from the Class of '93.

This dormitory is now practically completed and will be put in use this summer.

A Committee to Consider the Advisability of a 1925 Reunion was appointed and this Committee reported to a later meeting of the Council that it was in favor of holding an All-Technology Reunion in 1925. A Committee has now been appointed to formulate plans for this event.

Upon the suggestion of the Institute Committee it seemed desirable to have a joint Committee of Students, Faculty and Alumni to make definite plans for Field Day and Tech Night next year. The Council endorsed this action and appointed three alumni members to this joint Committee. Later, this Committee reported to the Council that the theatre party known as Tech Night, following the annual Field Day each fall, was to be abolished.

The report of the Committee on the New York Technology Club favoring the taking of necessary steps towards the establishment of a new club in the Grand Central Station district of New York City was heartily endorsed by the Council.

**Special Votes and Changes of Policy:** It was voted at the April meeting that the report of the Committee on the New Technology Club be adopted. In accordance with the Committee's recommendation the project was presented at the coming Detroit meeting of the Technology Clubs Associated with the hearty endorsement of the Alumni Council and the expression of its willingness immediately to coöperate in the creation of a joint committee of the Alumni Council and Technology Clubs Associated to canvass for the enterprise.

**The Executive Secretary:** The experience of the year fully justifies the selection of Orville B. Denison, '11, as Executive Secretary. Mr. Denison has visited every active Technology Club in the United States and has called on thousands of the Alumni. His reception has been the best possible and the results are already apparent. Local scholarships are being established as part of a program to interest promising students. Many clubs have been stirred to new interest, and the proposed program for increased subscription shows every evidence of being successful.

As one of those who had a part in proposing a full-time secretary, in the selection of Mr. Denison, and in holding the fort during his period of training, your retiring secretary expresses great satisfaction in the splendid efforts of the new secretary and believes most heartily in their value and final success.

**Formation of New Technology Clubs.** Two new Local Alumni Associations have been formed this year, one at Kristiania, Norway, known as the Technology Club of Norway, and one at Richmond, Virginia, known as the Tech Club of Virginia.

Mention may appropriately be made here of the New University Club of Boston on which work is to be started soon. It is hoped that Technology may have a room reserved for its special use.

**Accounts:** The books of the Association were audited last July when the new fiscal year began, and necessarily the report of the audit for the present year, which will be made as soon as practicable after the first of July, cannot be presented to the Council until the first meeting in the fall.

Due to the expense of the new Executive Secretary we shall show a deficit for this year which, it is anticipated, the increase in dues, effective the coming year, will largely offset. It also may be stated that a determined effort is to be made to increase our active regular membership with a corresponding improvement in our financial condition.

**The Technology Review:** The Review showed a profit on May 9, 1924, of over \$3500.00 which, it is expected, will be substantially increased by the July issue.

**Revision of Constitution and By-laws:** As a result of proposed changes in the Constitution and By-laws, a Committee has been appointed to Study the Question of Method of Nomination and Election of Term Members of the Corporation.

The changes in the Constitution were approved by a letter ballot to the alumni body sent with the Annual Ballot for officers. Changes in the By-laws, after being advertised in The Technology Review in accordance with the By-laws, were approved by a letter ballot. By the changes in the By-laws of the Association, alumni dues are to be increased for those who have been graduated five years. By this plan members of the Association for the first five years will pay dues of \$3 annually, and after this time, \$5. The method of handling amendments in the By-laws has been simplified.

Arthur T. Hopkins, '97.

### REPORT OF THE EXECUTIVE SECRETARY

With an apparent increase in Alumni interest, particularly among members of the Local Associations, the real measure of my success during my first year as Executive Secretary of the Alumni Association seems imminent with the mailing of dues bills the latter part of next month for the fiscal year, July 1, 1924-July 1, 1925. Certainly from the splendid receptions I have received during my visits to every one of the fifty-two active Local Associations in the United States, it would seem evident that the Alumni are pleased, indeed, to have direct contacts from men who know first-hand just what is going on at Technology in all phases of its activity.

At the start of the year, we divided the various clubs into sectional groups and, with the approval of the Executive Committee, I laid out a series of monthly trips most of which lasted for three or three and a half weeks, with the exception of a five and a half weeks' trip to the clubs west of the Mississippi River. In each city visited, I spent either two or three days and, in addition to addressing the members present at dinner or luncheon meetings, I spent a good deal of my time through the day making personal calls on Alumni in and around the place visited, believing that this "personal contact" method was the real way to get in touch with the individual Alumnus and interest him in this new phase of alumni work as well as in the latest news of what Technology is actually doing and planning to do.

It seemed to me that in visiting these various clubs, it was quite essential that I should have some definite proposals to make to each of them, outlining ways in which they could be of more service to their membership and to the Institute. These proposals might be summarized as follows:

*Make Tech Men Know Each Other Better.* In the case of the larger and more scattered clubs, it seems most wise to issue from time to time, say, once a year, a directory of members, giving name, class, address and occupation. Doubtless this is not so essential in the case of more compact organizations, but would be a good plan for general adoption.

*Keep in Contact with the Institute.* Through The Technology Review the Alumni become pretty well acquainted from time to time with advances and changes in the Institute curriculum and student life, and it is hoped that the organizations, individually and collectively, will cultivate the habit of corresponding with the Executive Secretary and letting him have any suggestions or criticisms which may seem advisable.

*Discuss and Act on Minutes of Alumni Council Meetings.* Here again is an opportunity for individual or collective suggestions and criticisms of actions pending or actions taken by the Alumni Council. In this way we hope to eradicate the impression which has gained some foothold in various sections that the affairs of the Alumni Association have been too much dominated by Boston men with Boston ideas.

*Welcome Newcomers to the Vicinity.* In this connection I am urging the appointment of a Hospitality Committee by each of the clubs whose function it is to call personally upon and welcome Tech men who come to a given vicinity to locate. The Alumni Office endeavors to notify the local secretary whenever it hears of a Tech man entering his province, as well as to let the local secretary know when a Tech man leaves a locality.

*Keep in Touch with Present Students.* I am supplying the local secretaries with the names and addresses of present students at the Institute whose homes are in their territory in the hope that during some vacation period a meeting of the club may be held to which the students are invited. At this time one or more of the students might be called upon to give his impressions of the Institute, thus serving the double purpose of interesting the Alumni and giving the boys confidence in addressing older men.

*Interest Prospective Students.* Here, I am urging each club to have appointed a committee of (say) three representative Alumni to act as a "Committee on Co-operation with Technology." Any prospective students might be referred to members of this committee for first-hand information regarding the Institute. President Stratton has agreed to keep the members of such a committee informed on all matters of vital interest to a prospective student. In this same connection it might be well to arrange one or more meetings at some of the local high schools, at which either a representative from Technology or a well-known Alumnus in the vicinity might talk to the students on the courses of study and student life at M. I. T.

*Operate a Local Competitive Scholarship.* Dr. Stratton and I are very much in favor of having the local clubs, wherever possible, establish a scholarship fund by which about \$350.00 is available each year to pay complete tuition and laboratory fees for one student. In this way a healthy interest in Technology could be built up in the various alumni centers and a good many of the boys who compete for the scholarship might, as a result of the competition, enroll at the Institute anyway.

*List Tech Clubs in Telephone Directory.* It seems to me a fine

plan to have all the local clubs list the secretary's phone number in the local directory under the title "Technology Club of \_\_\_\_\_. If this is done all over the country, Tech men visiting and traveling may at once find out if there are any club activities while they are in a city and may also get a list of the Tech men in that city.

\* \* \* \*

Another important phase of my work this year developed in mid-December when, at the request of the Indiana Association of M. I. T., I addressed several groups of high school boys in Indianapolis, outlining to them the value of a technical education with particular emphasis on what M. I. T. had to offer. From this point on in my trips I was fortunate in being able to carry on similar work among school boys in practically all of the cities visited. Dr. Stratton has heartily approved this publicity work for the Institute and, as a result of the talks, the Registrar's Office has received many inquiries for further particulars from prospective students.

Having thus pledged myself to the various Local Associations to be of all possible service to them individually or collectively, I certainly am approaching my period of reappointment from July 1, 1924 to July 1, 1925, with even more enthusiasm and desire to be of real service than the considerable amount of each which I had when I assumed the office in mid-July, 1923.

Orville B. Denison, '11.

### REPORT OF THE ADVISORY COUNCIL ON ATHLETICS

The past year has been one of development and growth in which the actual accomplishments will be shown more clearly in future years. Last spring, Mr. Frank Kanaly, who for many years had both directed the required gymnastic work and exercised supervision over the track activities, offered his resignation to accept a more lucrative and responsible position at the University of Maine. The time seemed ripe for the inception of a somewhat different program. A series of conferences were held between your Council and Dr. Morse, the head of the Department of Hygiene of the Institute. Appeal was made to the Corporation and was met by them with the same generous spirit which they have so frequently evinced toward this student enterprise. The final outcome was the engagement of Mr. McCarthy to take charge of the required gymnastics and the classes in corrective work. Dr. T. J. Connor and Mr. F. C. Warren were also engaged, the former to have primary charge of the track work, the latter to assist in this department and also to direct certain of the other sports. After the college year had begun, Mr. William Haines was engaged through the further generosity of the Corporation to take charge of the rowing activities. Mr. Haines entered upon his duties on January 1, 1924.

Various forms of athletics have been actively prosecuted with a varying measure of accomplishment. All of them, however, have conformed to the essential criterion of attracting a steadily growing number of men. The soccer football team had an unusually successful season, meeting with no defeats and tying but one game. This is a sport which has been actively prosecuted by your Council, as it offers a peculiar appeal to those of our student body from Latin America and from Europe. The cosmopolitan character of the Institute is peculiarly reflected in this activity: at one time eleven different nationalities were represented among the players.

The cross-country season was less successful. Inaugurated by a victory over Cornell, an achievement of significance, the team steadily retrogressed, losing to Princeton by a small margin and making no particular showing in the subsequent contests. Physical disability played some part in this, but a survey of the general situation has led to the adoption of a new plan for the coming year. It is purposed to have two varsity teams: one for use on flat courses where speed is at a premium, and a second group of the more stocky, hill and dale runners.

The annual Field Day was an unqualified success, the football game being a much more equal contest than usually it is. The winter season brought the beginning of a large number of winter sports. The swimming team, the gym team, and the boxing team all attracted their usual number of candidates and showed a very fair level of performance. The wrestling team was particularly successful, winning the New England championship. Hockey, a sport pursued with difficulty under existing conditions, experienced a series of disabilities, in no small part through necessary faculty intervention. In spite of this, the men showed a most admirable spirit and played through the season in a thoroughly sportsman-like manner. Individual members of the track team took part in various indoor contests, the relay team being highly successful. The rifle team also made a most excellent showing. Crew work started with the arrival of

Mr. Haines and at one time two hundred and fifty men were using the new machines, the purchase of which we owe to a generous Alumnus who prefers to remain unnamed.

With the spring, outdoor activities were resumed. Individual members of the track team have made most excellent showings, three Technology records having been broken. The team as a whole, however, fell somewhat short of the usual level of performance, a fact to be ascribed in no small measure to the inexperience of the new recruits on the squad. Next year's showing should spell a distinct advance as we shall still have a number of athletes of very definite promise. The crew season has been most gratifying. Inspired by Mr. Haines' most pleasing personality and guided by his great skill as a coach, the crew lost to Annapolis in very fast time, was barely defeated by Syracuse, also in fast time and concluded the formal season by defeating the Cornell Varsity by three lengths. So strong is the confidence in the accomplishments of the Varsity crew that the student body is sending them to Philadelphia in June to compete in the Olympic try-outs. The tennis squad has been actively at work, although seriously hampered by lack of the proper facilities, and the same is true of the golf team. Intramural baseball has been very popular this spring, over twenty teams having used the Institute diamonds. A movement is on foot to establish Varsity baseball, and if your Council can satisfactorily solve the three major problems of short season, professionalism, and expense, the sport will be instituted.

To summarize the year, then, it may be said that while it contains no ringing tale of victories, it does show prosecution of a large number of student activities giving wholesome, healthful exercise to a most appreciable percentage of the student body. Further, the traditions of hard play and clean sportsmanship have been amply maintained. From the Technology standpoint the year has been a most satisfactory one.

Allan W. Rowe, '01.

#### REPORT OF ALUMNI ADVISORY COMMITTEE ON MUSICAL CLUBS

The Musical Clubs started the season of 1923-24 with a deficit of approximately \$248. During the season they gave fifteen local concerts, took a Christmas trip, gave the usual fall, winter and spring concerts, and in addition, gave a joint concert and dance with the Dartmouth Clubs. The two latter were especially profitable, and with the other local concerts, produced enough revenue to take care of a deficit of \$350 on the Christmas trip, pay running expenses, including coaching throughout the season and a dinner for the members at its close, and leave a cash surplus at the end of the year of approximately \$400. This amount the clubs have voted to place in care of the Alumni Advisory Committee as a trust fund for the use of the Clubs, when working capital is required at the beginning of a new season.

The question of Christmas trips has given the Advisory Committee especial concern, as such trips usually call for the enthusiastic coöperation of the Alumni in the cities visited. We shall endeavor to see that the Musical Clubs and the Show work together in seeing that such alumni coöperation is not called upon in a given city oftener than is proper.

Donald G. Robbins, '07.

#### REPORT OF THE ADVISORY COUNCIL FOR TECH SHOW

The activities of Tech Show 1924 during the past year have followed the development of recent years and have been broadened in the opportunities afforded to a larger number of men for work in activities and business management, as well as in the production itself.

The change in character of production is familiar to the general alumni body and it may be fairly claimed we produce as finished and as elaborate a college show considered from all points as is attempted among that class of productions. Indeed, it seems that each year the snowball grows, and while we have definitely departed from the original conception of this activity (namely, a means of raising money for athletics,) into a broader field of offering opportunities for contact with the other fellow, administrative business experience, and so on, still apparently there is no end to the growth involved. The changes in general business conditions incident to expense of productions have caused a tremendous growth in our budget, and it is obvious that if we are to continue the Show along lines now being traveled, very definite limitations will have to be considered.

This year the schedule of the Show was maintained as formerly with trips to New York, Hartford, in addition to Norwich, Conn., this being outside of the usual Boston and Smith College performances. The effect on alumni interest, and from the standpoint of advertising Technology, has been all that is desired. The financial success has not been in corresponding proportion, and on the present basis the Show can hardly expect to do more than clear expenses. It is therefore a question whether we wish to continue along these lines or definitely engage in a policy which will enable us to make a profit available for activity work. It is believed that some modification in the type of production is feasible to bring about a proper financial balance and the efforts of the management and Advisory Council will be directed towards that end in the coming year.

It is, however, to be remembered that the benefits of an activity of this nature are in the line of general experience to the undergraduates in administrative and business training, together with the contacts which come from pleasant associations in undergraduate life. It is to these things that the Show makes its major contribution and by which it justifies its place as an important activity in the rather special student life at Technology. Bearing in mind these problems, we feel that the future of the Show will justify the efforts made and the magnitude of the tasks undertaken, and we look forward to a continuation of its successful operation.

Alexander Macomber, '07.

#### REPORT OF THE COMMITTEE ON HOUSING UNDERGRADUATE PUBLICATIONS

Somewhat over a year ago, recognizing the fact that the Walker Memorial was no longer adequate to house various student enterprises finding lodgment therein, a plan for re-apportionment was devised and worked out in detail. In this the writer acted as the representative of the Alumni Association enjoying the association on the committee of Frederick H. Fay, '93, and Leonard Metcalf, '92. As a result of numerous conferences a petition was drawn up addressed to the Corporation of the Massachusetts Institute of Technology. This petition is incorporated as a part of the current report. In substance it called for the transformation of the second half of the seaplane hangar into a gymnasium, an increase in size of the Field House to provide additional locker and bathing facilities, and a remodeling and re-apportioning of the space in the Walker Memorial thus freed, to give more adequate housing to the various student activities.

The cost of these changes was estimated at a gross of \$100,000 of which sum the student body was prepared to assume \$40,000, leaving the residual \$60,000 to be met by the Corporation. This matter was presented to Dr. Stratton for transmission to the Corporation. Up to the present time no action has been taken by this latter body upon the petition. As the writer understands the question, the whole matter has been laid upon the table pending the solution of the larger problems of dormitories for the student body and an adequate gymnasium. This larger problem in its many details comprehends the majority of those recommendations provided for in the petition.

Your Committee respectfully requests its continuance in the desire severally to serve the wishes of the Alumni Association and to assist the student body in the fulfillment of its aims and desires.

The present report is offered as one of progress.

Allan W. Rowe, '01.

#### REPORT OF THE ADVISORY COUNCIL ON UNDERGRADUATE PUBLICATIONS

During the past year the Council has acted in its usual advisory capacity in connection with all the publications. Except for the Freshman Gray Book, which will be discussed later, all matters brought before the Council have been those of routine and policy. In general, it may be said that the publications have been financially successful, but have brought up nothing new or startling in their organizations or policies. The new governing or administrative boards for 1924-25 have already taken office. The audits are in process and will be completed within a month, and when completed will close up the year for each publication.

*The Tech.* During the school year of 1923-24 the paper has continued the policy of last year and has issued Pictorial Supplements in addition to its regular issues. The Literary Supplement of 1922-23 has not been carried on this year. The question of making *The Tech* a daily was the subject of an exhaustive report

by D. A. Henderson, '25, General Manager for 1924-25, but the findings of this report are distinctly against such a change, at least for the present.

The net profits for the year are approximately \$1800 largely due to a very successful year for advertising. This and the other net profit figures given here are approximate, and will be changed to some extent when the audits are completed.

*Technique.* The 1925 volume of the Institute Year Book shows some slight changes in make-up, but in general follows tradition. The new method of election for Technique boards, which was inaugurated by the Institute Committee last year, is now in operation, and so far as it has gone, seems to have been successful.

Owing to a falling off in advertising, the profits for the year, approximately \$400, are rather small. The board has made it a policy to spend the profits of the publication on production for the betterment of the volume, rather than to issue an inferior Year Book in order to show a big profit. Furthermore, this volume bore the additional expense of the first issue of the Freshman Gray Book, a new publication handled almost entirely by the Managing Board of Technique.

*Freshman Gray Book.* At the beginning of the school year 1923-24 the Technique board began work on a volume which, it was hoped, would be a sort of Freshman Technique. Not only did the Technique Managing Board do the work for this new publication, but Technique stood behind it financially. The Gray Book contained photographs of and data concerning each freshman who could be found and who would come around for a photograph. There were also pictures of the various Field Day teams, statistics, etc. Unfortunately, since the freshmen seemed somewhat elusive, this year's Gray Book did not contain a full quota of individual photographs, and so lost much of its effectiveness and usefulness. A new system has been devised for next year to obviate this drawback, and if this is successful the Council feels that the Gray Book will be a valuable and useful addition to the Institute publications.

*Voo Doo.* During 1923-24, like other college comics, the Voo Doo fell off considerably in circulation. To balance this, the year has been remarkably successful from an advertising and financial standpoint. The profits for the year are approximately \$500.00.

Several matters of policy have come up during the year, and have been handled successfully. This is due in large measure to the effective coöperation of the Voo Doo Managing Board. By plans which are projected for 1924-25, it is hoped that the architects may be induced to contribute more work to the magazine, and that a larger and better literary staff can be collected.

*The Tech Engineering News.* Like most of the other publications the T. E. N. has had a very successful year financially. This is due primarily to advertising. The profits for the year are approximately \$1300.

The chief matter which has come up during 1923-24 is that of undergraduate support. A thorough report on this has been made to the Council by D. F. Elliott, '24, General Manager 1923-24, and B. E. Groenewold, '25, General Manager 1924-25. This report has recommendations as to future policy, particularly with a view to turning back profits into the publication and into publicity for the T. E. N. in order to increase the interest and effectiveness of the magazine to graduates and others. This does not mean a lack of effort to meet undergraduate interest. The Council hopes that this policy will be successful, and expects the T. E. N. board to make a report in April, 1925, which will show that really constructive work has been done by the T. E. N.

*Undergraduate Co-operation.* In addition to its regular meetings the Council has this year held a greater number of informal meetings than ever before. In addition to the dinners with the Managing Boards of the various publications (a custom revived at the end of last year), the Council has had a series of meetings with the Managing Editors and General Managers of the publications. It is gratifying to be able to state that these informal meetings have been requested by the undergraduate managers quite as often as they have been requested by the members of the Council. The Council cannot praise too highly the ready coöperation of the undergraduate managers and boards in all matters which have been brought up by the Council.

*Personnel of the Council for 1924-25.* H. E. Lobdell, '17, Assistant Dean, whose term expired this year, was reelected by the Alumni Advisory Council again to serve as a member of the Council for a term of six years. At a meeting of the Council held May 13, 1924, Winward Prescott, of the Department of English and History, was elected Chairman of the Council for 1924-25. The third member of the Council is H. D. Peck, '13.

H. E. Lobdell, '17.

## REPORT OF THE COMMITTEE ON THE CHORAL SOCIETY

During the past year the complexion of affairs of the Choral Society has undergone a very definite change. When this matter was first brought to your attention it was purposed to establish an organization for choral singing which should embrace both undergraduate and Alumni membership. The proposed society was fortunate enough to secure the coöperation and assistance of Mr. Stephen Sumner Townsend, one of the leading directors of choral music in this country. Actuated alike by his personal interest in the Institute and his warm and lasting friendship for the late Frederick Field Bullard of the Class of '87, Mr. Townsend consented to give his services to the promotion of this most worthy and desirable enterprise. As his professional activities entailed an absence from Boston during the middle of the week, Friday evening was selected as the best of the two available. Both the hour and the day were unfortunate, and while some sixty or seventy men organized and formed the nucleus of this society, the numbers did not grow as it was hoped they might. In the following year the day of meeting was changed to Monday, but owing to the many other student gatherings held on this evening the activities of the society remained confined to the relatively small group who were both interested and free on that evening. This year it was planned to give the society a final trial to ascertain definitely if there existed a demand for choral singing among the student body. Thanks to the sincere and whole-hearted efforts of two members of the Faculty, neither of whom are Technology graduates (namely, Professors H. G. Pearson and William Emerson), and with the cordial coöperation of Dr. Stratton and the Corporation, choral singing was placed among the general courses of study given at the Institute and Mr. Townsend invited to conduct the course. This program has been followed throughout the second half of the academic year and as a result a group of between forty and fifty men have been working together. The season's work culminated in a concert given on May 9, as a memorial to Mr. Bullard with a program consisting of selections from his works. This matter was brought before the Association, a committee appointed, and the concert largely advertised among the Technology Alumni. The weather was inclement on the night of the performance, which may have been a factor in limiting the attendance to some sixty or seventy people. A concert of excellent quality both as regards diction, interpretation and tone-production was the result. The writer would like to pause to testify at his own pleasure in hearing the Stein Song sung once by a Technology gathering in the tempo in which Mr. Bullard wrote it and not as the lugubrious dirge which is the form in which it is usually rendered.

The time has come, in the writer's opinion, when it is desirable to evaluate the success of this experiment and decide as to the wisdom of its continuance. That the society has failed of its goal of numbers, is clearly defined. On the part of the student body there would seem to be no more interest than at the time or inception of the organization. That several factors play a part in this may not be questioned, and among them should be mentioned direct and active, if quiet, opposition on the part of certain parallel student interests. Another very considerable factor has been the crass indifference of the Alumni Association which, through its Council, expressing itself as greatly interested at each time the matter has been presented to it, has failed completely of the support of attendance on the few opportunities offered to it. This is not a matter of criticism but merely of regret. Taking the other side of the question, a course in general studies of a cultural nature has been established, carrying with it not only a directed appreciation of the music but also a certain facility in the production of a very important branch of the Art. While the numbers involved have been few, the interest and enthusiasm has been great. Several members of the Faculty have confirmed their membership by a continuous attendance at the exercises. In the writer's opinion two steps should be taken at the present time. These are first, the discontinuance of the Choral Society as an undergraduate enterprise, since it seems to have failed to establish itself as a growing and progressive student activity. Second, the continuance of the course as a general study enlarging its scope somewhat, thereby giving to those men desiring this form of cultural education an opportunity to secure it under genial and expert direction.

In conclusion the writer, as a Technology man, wishes to express his appreciation and gratitude to Mr. Townsend for the enthusiasm, interest and ever ready coöperation which has given to the Choral Society whatever measure of success it has attained. The loyalty and devotion of the members to the Director testify amply to the service which he has endeavored to render.

Allan W. Rowe, '01.

# TECH MEN IN THE PUBLIC EYE

## S. HOMER WOODBRIDGE, '79

While attending the Massachusetts Institute of Technology as a student in Department of Physics, intending to prepare himself as an instructor, S. Homer Woodbridge, then a young man, became practically interested in matters of ventilation because of the atmospheric conditions existing in the crowded class and lecture-rooms, manifestly detrimental to the work of both instructors and students.

Through his efforts and under his supervision, such simple, inexpensive and effective means for ventilation were provided for the relief of many of those rooms that, when the large lecture, laboratory and classroom, Walker Building was planned, he was directed by the Corporation building committee to prepare plans for its ventilation, Frederick Tudor being retained at his solicitation as associate in a consulting and contracting capacity on the side of heating.

When the proposed scheme was submitted to a couple of the leading firms in the steam-heating trade in Boston for an opinion as to the practicability of the plans, the trend of advice was to the effect that the installation of such a plant would cost a mint of money, and that its operation would require a mine of coal. The advice of Harvard University, after a disappointing experience at Sever Hall, was emphatically adverse to an adoption of the plan. The committee, however, backed its own student product, with the result that the building equipment and the performance of its system in both efficiency and economy became widely and favorably known, both at home and abroad.

Following that result, Mr. Woodbridge was directed by the Corporation to devote his entire time to the work of transforming the then capricious art and rule-of-thumb practice of heating and ventilation into an established science. By that act he was diverted from his preconceived purpose of devoting his life to the acquisition and teaching of a pure science, and became a pioneer in this country in the modern technically-established theory and practice of heating and ventilation; he became the first appointed instructor specialist in that department in American technical schools.



S. HOMER WOODBRIDGE, '79  
*The subject of a lengthy biography in a recent issue of  
The Heating and Ventilating Magazine*

Early in his adopted professional career he became impressed with the vagaries then common in the practice of the art of ventilation, due, as it appeared to him, to too little and dangerous knowledge, and to untrained imagination and fantastic theories which too largely formed the basis of both the theory and practice of the "practical" men of that day to whom such work was commonly committed. He came to regard the

situation as a logical consequence of the attempt of "practical" knowledge to deal with the invisible inherent in ventilation — air, atmospheric content of heat, moisture, ventilation, motion of air, courses of flow, forces producing flow, and so on. Because of the occultness of this whole realm of material, of movement, of force involved in ventilating problems, the field impressed him as a fertile one for the rank growth of fantasy, imagination, notion and all their various sporadic fruits.

Mr. Woodbridge's endeavor with students, and also with co-workers, was primarily directed toward the creating and establishing of conceptions which accept the air as a material substance, subject to all the laws of mechanics and thermodynamics; as capable of being measured, weighed, soiled, cleansed, moistened, dried, heated, cooled, moved, and its motion directed not only within confining channels, but also in free space.

To the thermally-uninitiated his applied theory and practice appeared at times contradictory, as in his advocacy of both upward and downward ventilation; whereas, consistency in choice of methods was always to be found in the oft-asserted principle that prevailing thermal conditions determined the appropriateness of method; namely, upward ventilation when the air passed through a chamber is warmed in its transit through the same, and downward ventilation when such air is cooled in transit.

In the case of those audience chambers in which the air is warmed in transit, and wherever the method is feasible, Mr. Woodbridge has advocated the admission of fresh air in the closest safe proximity to each breather, always in a draftless manner, and in minimum volume rate, equal to that which rises away from each breather in column form as the air is warmed, moistened, vitiated

and lightened by contact with an exhalation from the breather, such volume rate being possible of increase to any maximum degree permissible and compatible with draft, atmospheric and economic.

For the purpose of draftless supplying and diffusing the largest permissible quantity of air in special cases, resort has been made by Mr. Woodbridge to expedients not commonly found in ventilating work, such as the proposed plan of utilizing the legs of chairs in theatres, lecture and music halls, where seats are permanent and fixed; the desks and floor risers in legislative halls; pew bodies and construction in churches. In one proposed installation, for instance, which he designed for the New York Court House, the arrangement provides for a supply of air at the rate of 200 cu. ft. per minute per capita to the judges of the bench, while in the case of the equipment for the United States Supreme Court, the air will be supplied through 6 to 8 sq. ft. of outside and porous covering of the several chairs, the quantity of flow to be individually controlled by each chair occupant by an electrically-operated damper, and the temperature of the supplied air to be similarly governed by an electric and personally controlled heater.

Though probably better known in the field of ventilation, than that of heating, Professor Woodbridge has shown independence of method and practice in the heating field. In both his teaching and practice he has always laid emphasis on "efficiency, economy and simplicity" in the order given. In both branches of work, care has been taken to reject blanketing methods for covering all possible errors or computation, as well as to refuse self-committal through guarantees to produce satisfactory results in heating unless the owner or builder guarantees the maximum rate of heat loss, thereby fixing the maximum rate of heat supply to be furnished, which supply he, as engineer, is then ready to guarantee to provide. He refuses to allow himself to be held responsible for insufficiency either in the material or in the manner of construction of buildings as they relate to insulation values. In matters of ventilation, also, satisfactory results have never been guaranteed beyond the supplying of given quantities of air, draftlessly distributed, and in accordance with provided plans and schedules. No responsibilities for results have been assumed, unless equipments for both heating and ventilating are operated in accordance with the letter and spirit of furnished directions, or by employees selected under approval and operating under his approval.

*—The Heating and Ventilating Magazine.*

#### WILLIAM WELLES BOSWORTH, '89

The French Government announced tonight [May 29] its acceptance of the offer of John D. Rockefeller, Jr., of \$1,000,000 for the reconstruction of the roof of Rheims Cathedral, repairs to the fountains in the park at Versailles, and general reconditioning of Fontainebleau. As suggested by Mr. Rockefeller, the gift will be administered by a committee composed of Ambassador Jusserand, Gabriel Hanotaux, Maurice Baleologue, Colonel Harjes, and William Welles Bosworth.

The Rockefeller offer followed conversations carried on by Col. Arthur Wood with Premier Poincare. In a letter to the Prime Minister, Mr. Rockefeller said in part, "If I have been led to make this proposition it is not only because of my admiration for the marvelous masterpieces of French art, the influence of which must remain intact and perpetuate itself through the cen-



Pirie MacDonald

DARRAGH de LANCEY, '90  
Whose design for a memorial flagstaff is shown on the succeeding page.

turies for the great benefit of successive generations, but also because of my feeling for the French people, whom I admire for their finesse, for their proud courage and for their patriotism."

—New York Times

#### DARRAGH de LANCEY, '90

The winner of the Program for the Department of Sculpture Competition of the Beaux Arts Institute of Design last Spring was Darragh de Lancey, '90, a graduate of the Institute's Department of Mechanical Engineering. The Beaux Arts Institute of Design in New York is maintained by ex-members of the Ecole des Beaux Arts in Paris. It conducts several competitions during the year in the major fine arts — sculpture, architecture, and painting. These competitions are entered by students from the leading schools of art and architecture as well as semi-professionals from private ateliers.

Mr. de Lancey's competition had for its problem the design of "A Flagstaff for an American Cemetery in France." The specifications provided that the "flagstaff" is to be 200 feet high, in the form of a hollow steel shaft, 8 feet in diameter at its base. For structural reasons it is necessary to brace the shaft at its base with diagonal braces to the height of 30 feet on the shaft with a spread of 20 feet from the center, there being in all four such braces.

"The problem is to design an appropriate sculptural base for this shaft, of such form as to conceal these braces, and give expression to the Memorial character of the locality, bearing in mind the great service which the American Soldiers rendered to the World and the

great sacrifice which those who lie buried in the cemetery made."

All problems of the Beaux Arts Institute are purely hypothetical and are not likely to be carried into actuality. The specifications of this particular problem were formulated by the President of the Architectural League and the models were judged by a Jury of some sixteen eminent sculptors and architects.

Mr. de Lancey has not always pursued sculpture since his graduation from Technology. It is for him, in fact, a comparatively recent venture. The first decade after 1890 he spent as a mechanical engineer devoted to the strenuous job of building, equipping, and operating the Kodak Park Plant of the Eastman Company. A technical staff of one soon became inadequate for the rapidly expanding needs of the concern and it then became his lot to organize the original technical staff of the Company.

The second decade after leaving the Institute brought business responsibilities abroad as well as opportunities for extended travel in Europe. This probably sowed the seeds of his interest in the Fine Arts. The third decade covered War and Government Service and paved the way for retirement from active business with leisure to follow these newly awakened interests. He is now completing his second year in the Department of Sculpture of the Yale School of Fine Arts in New Haven, Conn.

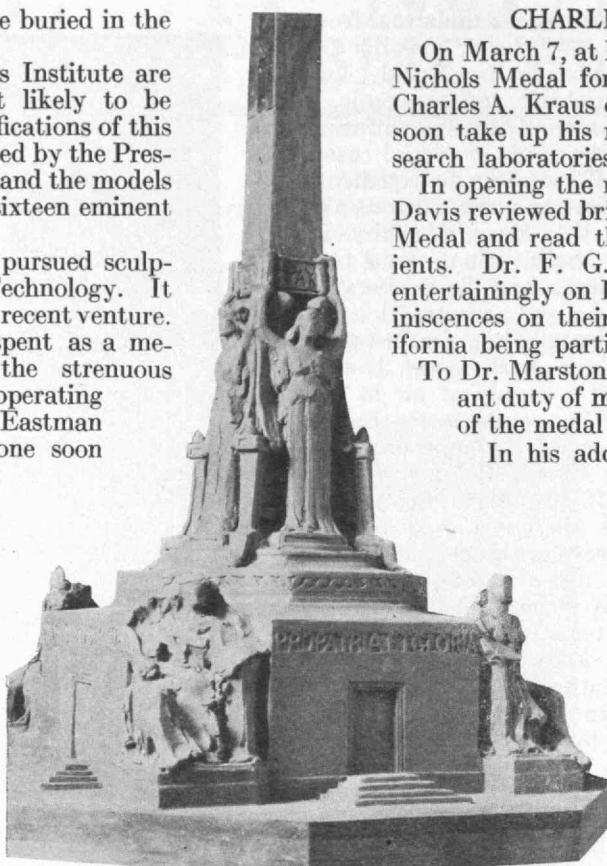
#### W. LOCK WEI, '18

Plans of the first Chinese Davis Cup lawn tennis team were announced last May by W. Lock Wei, captain of the team, who had just arrived in this country from Shanghai. Wei, one of the best tennis players in China, has played on Varsity tennis teams at Technology and Cambridge University.

He said that he would sail from New York early in June to meet the other three players in England. Wei's partner will be Nug Sze Kwong, open tennis champion of Hongkong for the past six years. The other two members will be Khoo Hooi Hye, open champion of the Straits Settlements, and S. C. Wu, a graduate of Cambridge University and now a law student in England.

After playing in various tournaments, including the British Championships at Wimbledon, the team will compete at the Olympics in Paris in July, and will come to America for a first round against Australia in the Davis Cup series next fall.

Wei won the Fall Tennis Tournament of 1917 at Technology, W. N. Barron, '20, being runner-up. He captained the Varsity team of 1918, which recorded seven victories and one defeat. In five of these victories their opponents made no score: Trinity, Harvard, Holy Cross, Bowdoin, and Williams. Amherst and Worcester P. I. were defeated but scored. Yale defeated Wei's team, 6 to 0 in the last match of the season. The team won the New England Intercollegiates at Longwood, Wei and his partner, H. Broockmann, '20, capturing the doubles championship.



A FLAGSTAFF FOR AN AMERICAN CEMETERY IN FRANCE

*The winning design of Darragh de Lancey, '90*

as either positive or negative radicals.

—*Chemical and Metallurgical Engineering.*

#### CHARLES A. KRAUS, '08

On March 7, at Rumford Hall, New York, the Nichols Medal for 1924 was presented to Dr. Charles A. Kraus of Clark University, who will soon take up his new duties as director of research laboratories at Brown University.

In opening the meeting, Chairman Clarke E. Davis reviewed briefly the history of the Nichols Medal and read the imposing list of the recipients. Dr. F. G. Cottrell then spoke most entertainingly on Dr. Kraus and his work, reminiscences on their intimate association in California being particularly interesting.

To Dr. Marston Taylor Robert fell the pleasant duty of making the actual presentation of the medal to its recipient.

In his address, Dr. Kraus outlined the theory of radicals as applied to modern chemistry. He pointed out that it is possible to classify groups of radicals according to their electro-affinities. Thus, ammonium and tetramethylammonium are strongly positive, while cyanide, nitrate, and thiocyanate are strongly negative. Between these extremes are such groups as methyl, triphenylmethyl and trimethyl tin, which are really amphoteric. Dr. Kraus discussed in detail reactions that showed how these groups behaved

—*Chemical and Metallurgical Engineering.*

#### WALTER C. MARMON, '95

Walter C. Marmon, president of Nordyke & Marmon Co., Indianapolis, manufacturers of Marmon automobiles and milling machinery, in reporting the progress of his company on its 73d anniversary, sounds a note of "sane prosperity" not only for his own company, but for the fine car field.

His optimism is based also on the fact that the Nordyke & Marmon Co. has just completed the most successful November and December in its history, both from the standpoint of sales and deliveries.

When Henry Ford entered the automobile field in 1902, the Nordyke & Marmon Co. turned its attention to the automobile and also built its first car.

In 1909, the Marmon "32" had its origin. The present Marmon "34" was first brought out in 1915, when 557 were built. It is now in its ninth year, and 1923 saw an output of close to 4000 machines.

The Marmon dealer organization has been increased from 80 in 1915 to 325 in 1923. In 1915 the factory space of the Marmon was nine acres, with 350,000 square feet under roof. Today the factory space is 45 acres, with 1,250,000 square feet under roof.

On July 1, 1917, Nordyke & Marmon completed the most profitable year in its history up to that time. The net worth was \$3,570,473. A year later the net worth was \$4,341,059. This was increased to \$4,804,091 by July 1, 1919. On July 1, 1923, its net worth had increased to \$5,911,063.

—*Wall Street Journal.*

# WITH THE UNDERGRADUATES

## THE WEEK OF THE SENIORS

Senior Week held closely to the schedule laid down by custom of previous years. It began on Thursday, June 5, with the banquet of the Senior Class held in Walker Memorial. At this annual feast, Dean H. P. Talbot, '85, Professor R. E. Rogers, and Alexander Macomber, '07, Vice-President of the Alumni Association, were the speakers. President Stratton, scheduled to appear, was prevented by illness. Dean Talbot made a vivid and impassioned address upon the subject of the Japanese exclusion act and added to it a peroration of such force that as he took his seat the paper cap of the youth in front of him, who had been directly in the stream of oratory, burst into flame. Professor Rogers, as usual, made use of the razz technique and was greeted by a nice blend of applause and hisses. During the evening the permanent officers of the class were elected as follows: President, W. H. Robinson, Jr.; Vice-President, C. M. Phelps; Secretary, D. B. Jennings; Treasurer, W. H. Manning; Assistant Secretary, H. G. Donovan; Alumni Association Representative, W. H. Robinson, Jr.

The most informal of the events was the Senior Picnic, held on June 6 at Pemberton. The classic street-car ride was somewhat quieted this year by the iron-clad order of the Boston Elevated Company forbidding



GLENN L. BATEMAN, '25  
*New President of the Institute Committee  
and of the Senior Class*

seniors to sun themselves upon the roofs of the street cars while in motion. The air of sprawl, therefore, which usually marks this event, was not manifested until later than usual, although reports indicate that once removed from the cramping restrictions of pettifogging officials the seniors did manage to have a good time. The usual athletic events were run off and the prizes awarded to the winners.

On Saturday, June 7, the seniors made a return to decorum sufficient to permit the running off of a well-bred tea dance in Walker Memorial, beginning, as all good tea dances should do, at three o'clock in the afternoon. They made an even more complete return to probity the next day, when at four o'clock they gathered in Trinity Church for the Baccalaureate Sermon of Bishop William Lawrence.

Class Day, with its reversion to frivolity, began at 2:00 p.m. on Monday. The seniors presented a four-act skit historical in purpose and satirical in method. Preceding this, Allan W. Rowe, '01, made an oration to the class, its parents and its best girls, of unrecorded content.

This particular Monday was a full day, in that the Pops Concert was likewise scheduled at 8:00 p.m. Undergraduates and Alumni thronged the floor of Symphony Hall and harried the temperamental Mr. Agide Jacchia close to the desperation point by the fine



F. H. RIEGEL, '25  
Voo Doo



B. E. GROENEWOLD, '25  
The Tech Engineering News



W. M. JARMAN, '25  
Technique



D. A. HENDERSON, '25  
The Tech

*The four publication General Managers for next year*

disregard and the considerable dissonant noise with which they met his offerings. Mr. Jacchia kept his band at the fortissimo point throughout the evening but could make no great impression in the hall despite that a number of players in the brass section strained themselves severely. Orville B. Denison, '11, mounted the platform during one of the intermissions with the idea of singing a number of Tech songs for the multitude. He met with no greater success than Mr. Jacchia, although he bore his trials more philosophically. Anyone looking at the platform was left in no doubt whatever that Mr. Denison was singing at the top of his lungs.

The Commencement Exercises began at Walker Memorial at 10:30 next morning and proceeded according to a schedule elsewhere specified in this issue. Course receptions followed at noon. At

seven in the evening the Class of 1924 met as a body for the last time in its career at the Senior Prom.

It lasted until 2:00 a.m., at which time the class gave one last cheer and broke into fragments as unintegrable as a shattered plate glass window.

### "SPARKS"

"*Sparks*," the newly founded year book of Course VI-A, was recently presented to its public at the banquet given to the graduates of Course VI-A in Lynn by the undergraduates and the General Electric Company, some weeks ago.

The book is a miniature Technique, put out by Sophomores, Juniors, Seniors and Graduate students in Course

VI-A under the supervision of the staff of VI-A News. It contains individual pictures of the Graduate students and group pictures of the second, third, and fourth years.



ALL TECHNIQUE RUSHES ARE THE SAME TECHNIQUE RUSH

*Our present plan is to use this same illustration next year and label it 1925. But we guarantee now that the photograph was taken on the first day of Junior Week, 1924*

## The One Hundred and Sixth Meeting of the Council

(Continued from page 445)

called the New York Club—let it be called *The Technology Club*.

Vigorous discussion and a searching question-and-answer hour followed his peroration. I. W. Litchfield, '85, B. C. Donham, '95, G. Gibbs, '00, H. J. Carlson, '92, and H. S. Ford raised their voices in favor. H. E. Worcester, '97, spoke bitterly of the present club, and drew a picture of its progressive decay which made the Ruins of Carthage seem, by comparison, akin to the newest Socony Filling Station. It was at length voted:

"That the report of the Committee be adopted and "in accordance with the Committee's recommendation the project should be presented at the coming "Detroit meeting of the Technology Clubs Associated with the hearty endorsement of the Alumni "Council and its willingness to immediately coöperate "in the creation of a joint committee of the Alumni "Council and Technology Clubs Associated to can- "vass for the enterprise substantially along the lines "indicated"—by which it may be seen that, in the heart of the Executive Secretary, Enthusiasm met with Grammar and annihilated it.

The next business before the Council once again brought Mr. Munroe to his feet; this time in protest of the proposed repair of Harvard Bridge. Do not misunderstand. Mr. Munroe is no mediævalist. What he wanted was not repair, but a new bridge to rise from

the *Urschleim* of the Charles. He urged all members of the Council to write to their political representatives "substantially along the lines indicated," to plagiarize from Mr. Denison. After an interesting colloquy, in which H. F. Bryant, '87, took leading part, Mr. Munroe withdrew, however, a motion which would have placed the Council on official record. Yet the withdrawal was not before the Executive Secretary had made another interesting enrichment of the literature of platform writing.

Thereafter the eyelids of the Council began to droop, notwithstanding that W. H. Robinson, Jr., '24, and C. M. Phelps, '24, presented interesting statistics on the entrance of their class into the alumni body.

The report of the Executive Secretary followed. He suffered five walkouts, presumably commuting members, all of them. As a postlude, Mr. Litchfield raised the hope that a new register of Former Students was to be prepared for the 1925 Reunion. "I feel very strongly," said Mr. Litchfield, "that . . . ."

At which precise point, M. L. Emerson, '04, rose and boomed something at the chair to the complete silencing of the speaker. The chair answered and before you could say "Fred Hunter" adjourned the meeting. There was Ike, left still gravid with speech, still bursting with eloquence, his audience fighting to the exit through disordered chairs. He swallowed thrice, and silence came upon him. It had never happened before.

# ATHLETICS

## THE CREW—AND HISTORY

"'Upset' is a feeble word with which to describe the highly surprising events of Saturday on Cayuga Lake," says the sporting columnist of the *New York Times*, in referring to the three-length victory of Coach Haines' Technology Varsity crew over that of Cornell on the east course as a part of the Ithacan's Spring Week festivities, May 10. The time of 11 m. 6 $\frac{1}{2}$  s. is good for the east course. The record made by Pennsylvania is 10 m. 35 s. and it was always questioned by Courtenay. The *Time's* writer continues, "It is more than an upset, when M. I. T., youngest of all American rowing institutions and, because of its youth, the most obscure, can produce a crew capable of defeating the Varsity eight of Cornell, one of the oldest of rowing strongholds, possessor of great crews far back in the memory of man—a university steeped in all the richest traditions of the sport."

Coach Hoyle gambled a bit in his selection of the Cornell entry, determining that it would be easier to keep Emerson's lighter varsity for later races with Yale and Princeton. The crew that competed was the so-called "Procter" eight or "big crew," selected from the leftover members of last year's varsity and third crew survivors. The Emerson crew was composed of sophomores. While there might have been a chance to belittle the victory on this account, the unanimous press opinion seems to concede that it was by reason of better watermanship, greater power, and better racing judgment. This is also the feeling at Ithaca, and there is no tendency on the part of Cornell supporters to begrudge Tech's triumph. The existence of such a feeling made Institute rowing circles doubly

gratified when two weeks later Cornell rowed Harvard over a shortened course of a mile on Cayuga inlet, and won decisively by four lengths.

At the word "go" the M. I. T. crew lurched ahead with a great drive, but hardly a dozen strokes had been taken before the Cornell coxswain signalled for a new start. Their bow had broken his oar. Again the crews lined up, were started, and again Tech took the lead, rowing at a stroke of 41 to the minute. Cornell responded with a beat almost as high, but by the time they settled down they were a half boat-length to the rear. For the next quarter mile the crews held to the same relative positions, but then the Technology eight began to gain and at the mile point had increased their lead to one length. During the next half mile they gained another full length.

The watermanship of both crews was clean-cut. There was no splashing, but inboard the Ithacans lacked the clean-cut decision of their rivals. At the mile and a half point the Cornell stroke made an effort to raise the beat and the lead of Technology was cut to a length and a half. There was ample reserve power, however, and this Cornell gain was soon dissipated.

In the last quarter mile, with victory in sight, Stroke Valentine called for a final effort and the Technology shell swept down to the finish line nearly three lengths to the good.

The two other races on the Varsity schedule, while not providing the satisfaction of victory, indicate that the season has exhibited a striking improvement due to the advent of Coach Bill Haines. The Navy won only by two and a quarter lengths on the Severn on April 26, and a week later Syracuse was victor on the Seneca



A. H. STANTON

*The past year's Manager of Crew, and for next year President of the M. I. T. A. A.*



*Times Wide World*

## AFTER THE FINISH ON THE SENECA RIVER, MAY SECOND

*The Syracuse Varsity winning the one and one-ninth mile race from the Technology Varsity, which one week later defeated Cornell. The Technology in the foreground was boated as follows: Cox, R. E. Reid, '24; Stroke, C. Valentine, '26; 7, R. C. Eaton, '24 (Captain); 6, W. H. Latham, '26; 5, A. Herckmans, '25; 4, W. B. Coleman, '24; 3, A. F. Horle, '25; 2, D. C. Sayre, '24; and Bow, G. W. Hamblet '26.*



GARVIN A. DREW, '25  
The 1924 New England and  
Intercollegiate Hammer  
Throw Champion

finals of the N. E. I. L. T. A. took place May 21, and the results showed Williams and Technology sharing an equal number of points for the new cup put up by the Association, as each was represented in the finals of both the singles and doubles divisions, and each won a championship. C. B. Marsh captured the singles title for Williams, and M. L. Tressel, '23, whom Marsh defeated in the singles, and J. E. Russell, '25, won the doubles championship. The final round of the matches were played on the covered courts of the Longwood Cricket Club.

#### TRACK

A less-than-average track season, except for the brilliant success of a small number of individual stars, culminated in the winning of the New England and I. C. A. A. A. hammer throw crowns by Garvin A. Drew, '25. Drew placed second in the New Englands of last year to F. D. Tootell of

River by only three-quarters of a length. The closeness of these two races when compared with last year's stretches of open water, augurs well for the future of rowing at Technology. Walter Camp said about the Ithaca race, "This will give Cornell adherents something to think about for some time."

Another writer put the case aptly when he said, "Pretty nearly anything can happen athletically now that a crew from the Massachusetts Institute of Technology has beaten a Varsity eight of Cornell. The two Philadelphia ball teams may play in the World's Series." Taking its cue from this sort of comment, the Technology crew management entered the Varsity for the Olympic tryouts on the Schuylkill on June 14.

#### TENNIS

Tying Williams in the New Englands represented the high point of a successful tennis season, in which also were five victories in dual matches with Boston University, Harvard Business School, Brown, Wesleyan, and Williams, and with two losses in duals to Dartmouth and Yale. The

Bowdoin, who graduated in 1923 and was not in competition this year. He won his event also in the dual meets with Princeton and Harvard on May 3 and 10, his distances being 152 ft. 0 $\frac{3}{4}$  ins. and 146 ft. 0 $\frac{1}{2}$  ins., respectively. At the New Englands he made 142 ft. 4 $\frac{1}{4}$  ins. Emery of Princeton, who fell three-quarters of an inch behind Drew at Princeton, was the favorite in the Intercollegiates at the Stadium. His toss of 152 ft. 7 ins. in the trials on Decoration Day, appeared fated to top the list as Drew barely qualified with 148 ft. 4 ins., and that was where he was expected to stand by all but himself.

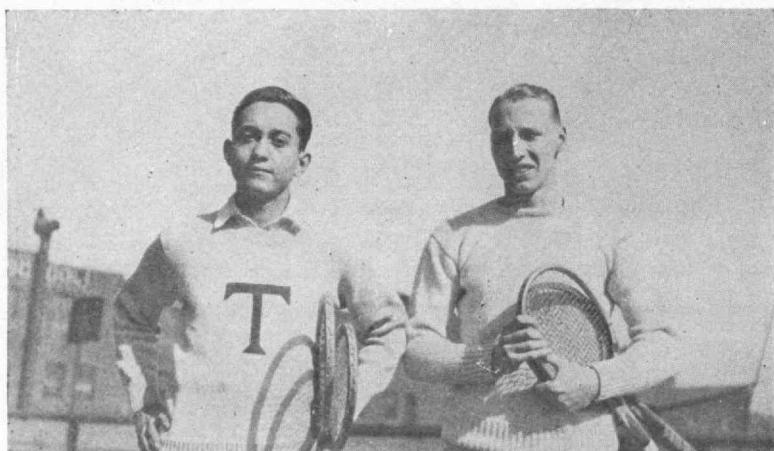
Twice he threw well in the final tests, then got in the lift that gave him first and put the Princeton man down. This third throw of 155 ft. 0 $\frac{1}{8}$  ins. will go down in athletic history. It displaced Princeton as runner-up in the championship, and gave Penn and Stanford second and third places behind Yale, the winner, with Princeton ranking fourth.

D. P. Jeppe, '25, broke the Technology record in the 440-yard dash at the triangular meet with Georgetown and the Army at West Point. His time was 50 s. The previous record of 50 $\frac{3}{8}$  s was held jointly by A. D. Smith, '23, and T. P. Spitz, '21. In the Princeton meet Jeppe won the 220 and took second in the 440; in the Harvard meet he did the same; at West Point in addition to winning the 440 and breaking the record, he won the 220. At the New Englands he took third in the 440, although the time of the winner, G. F. Perkins of Williams, was 1 $\frac{3}{8}$  s. slower than Jeppe's race at West Point. He survived the semi-finals at the Stadium, but did not score in the finals.

Another record-breaker was L. M. Sanford, '26, who, in placing second to Shannon of Georgetown at West Point, made 12 ft. 1 $\frac{1}{2}$  ins., thus bettering the even 12-foot vault J. D. Nagle, '20, made in 1919. Sanford won his event at Princeton, took second in the Harvard meet, and took second in the New Englands. He had the misfortune to twist his ankle in the Intercollegiate trials and was disqualified thereby.

One other Institute record, the javelin, was broken during the season, that of A. Tonon, '22, by T. E. Garrard, '25, at the Interclass Meet. The new figure is 176 ft. 6 $\frac{1}{2}$  ins.

As none of these star performers are graduating this year, the prospects for 1925 appear bright, since Coach Connor had a number of promising possibilities coming up from the freshman ranks and it should be possible



J. E. RUSSELL, '25 AND M. L. TRESSEL, '23  
New England Intercollegiate Doubles Champions

to build a better-balanced team. The addition of Oscar F. Hedlund, former world's indoor champion in the mile and a member of the 1912 Olympic team, as assistant to Coach Connor, is another cause for confidence in the next season.

### THE WANE OF THE N. C. A. A.?

That the National Collegiate Athletic Association called off its annual track meet this year because it "would conflict with the Olympic trials" is probably not generally thought of as a sequel to the Paddock row. For several years the N. C. A. A. has been disputing the authority of the A. A. U., the national body controlling amateur sport in this country, and it was almost entirely due to N. C. A. A. backing that Paddock delayed application for reinstatement as long as he did. Evidence points toward a confirmation of the story that Paddock was a mere tool, that he was selected for use as a test case by the N. C. A. A., or its child, the so-called National Amateur Athletic Federation, to go to Paris, last summer, without getting permission from the A. A. U. and there compete in the "University of Paris" games. The games being run not by the University of Paris, but by the Paris University Club, it would thus embarrass the A. A. U. However, the international sports governing body stepped in and suspended all the athletes and hence the A. A. U. automatically suspended Paddock.

It is not so generally known that the N. C. A. A. some years ago challenged the position of the I. C. A. A. A. A., contending that its annual track and field championships dating back several decades were not the truly big intercollegiate meet as claimed. To support this contention, the N. C. A. A. started an annual "collegiate" meet in 1922 at Chicago with an ex-University of Missouri runner and Joie Ray, a Chicago taxi-driver with no collegiate background, as the headline competitors. This is the meet omitted this year for the reason assigned. Some authorities predict that its omission will be permanent as the national character of the I. C. A. A. A., although



DOUGLAS P. JEPPE, '25

*Who broke the Technology record in the 440-yard Dash at the triangular meet with Georgetown and the Army*

its meets have been always held in the East, is shown by its 1922 and 1923 champions, the University of California; and by its recent action in admitting the University of Southern California to membership.

### Athletic Results

#### CREW

April 26—Varsity loses to U. S. N. A. on the Severn.  
May 2—Varsity loses to Syracuse on the Seneca River.  
May 10—Varsity wins from Cornell on Cayuga Lake.  
May 12—Junior Varsity race on the Charles; won by Pennsylvania; M. I. T., second; Harvard, third. 150-lb. race on the Charles; won by Pennsylvania; Harvard, second; M. I. T., third.  
May 17—150-lb. loses to Columbia on the Harlem.  
May 21—Richards Cup Race on the Charles; won by 1926; 1927, second; 1925, third; 1924, fourth.

#### GOLF

April 26—Brown 5, M. I. T. 1, at Rhode Island Country Club, at Providence.  
April 29—Harvard 6, M. I. T. 0, at Weston.  
May 8—M. I. T. 11½, M. I. T. Faculty 6½ (Handicap) at Winchester.  
May 10—Merrimack Valley Country Club 11½, M. I. T. 6½, (Handicap), at Lawrence.  
May 17—M. I. T. 4, U. S. M. A. 2, at West Point.  
May 24—Williams 6, M. I. T. 0, at Woodland.  
May 24—M. I. T. 6, Amherst 0, at Commonwealth.

#### TENNIS

April 22—M. I. T. 5, Boston University 1, at Longwood.  
May 3—Dartmouth 6, M. I. T. 0, at Oakley.

May 7—M. I. T. 4, Harvard Business School 2, at Oakley.

May 14—M. I. T. 7, Brown 2, at Providence.

May 17—M. I. T. 5, Wesleyan 1, at Cambridge.

May 19-21—N. E. I. L. T. A., singles won by Williams, doubles won by M. I. T., at Longwood.

May 23—Yale 8, M. I. T. 1, at Oakley.

May 24—M. I. T. 3, Williams 3, at Oakley.

#### TRACK

May 3—Princeton 111, M. I. T. 24, at Princeton.

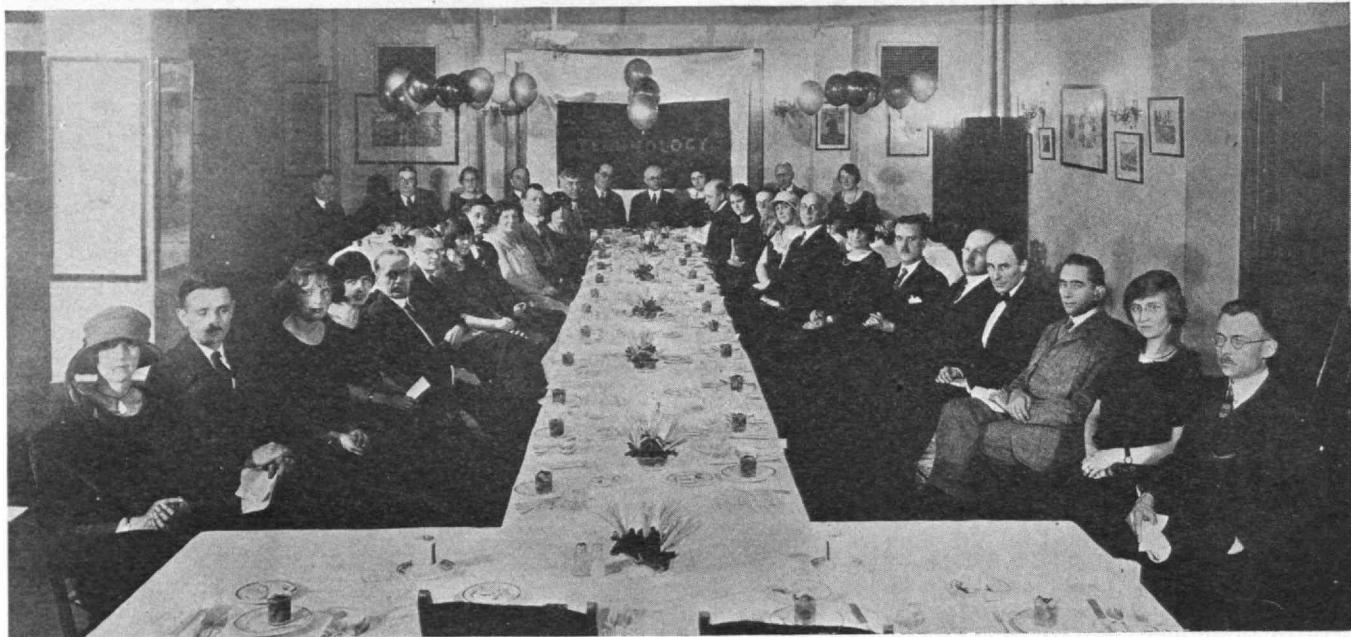
May 10—Harvard 15½, M. I. T. 73½, at Tech Field.

May 17—Georgetown 59, U. S. M. A. 53, M. I. T. 23, at West Point.

May 23-24—N. E. I. C. A. A.: Boston College, 32; Bowdoin, 30½; Williams, 30½; M. I. T. 13½; Northeastern, 11; Brown, 9; Colby, 7; Maine, 6; Amherst, 4½; Bates, 4; Holy Cross, 4; Boston University, 3; New Hampshire, 3; Massachusetts Agricultural College, 2; Vermont, 2; at Tech Field.

May 30-31—I. C. A. A. A.: Yale, 28; Penn. 27; Stanford, 24½; Princeton, 23; Penn. State, 21; Southern California, 14; Johns Hopkins, 13½; California, 13; Harvard, 13; Boston College, 12; Cornell, 10½; Dartmouth, 8; Georgetown, 7; M. I. T., 5; Syracuse, 5; Colgate, ½; at Harvard Stadium.

# NEWS FROM THE ALUMNI CLUBS



TECHNOLOGY'S HOOSIERS DINE  
*A not-so-bad-as-usual photograph of a recent meeting in Indianapolis*

## INDIANA ASSOCIATION OF THE M. I. T.

A most enjoyable meeting of the Indiana Association of the M. I. T. was held on Monday, March 31. This meeting, which was held at the Spink Arms Hotel, included the ladies and was attended by some thirty-five.

Above the T-shaped table cardinal and gray balloons, alternating, were secured so as to mark out in mid-air, M. I. T., while below, on the cloth, cardinal and gray decorations traced the same initials.

Arthur I. Franklin, President of the Association, proved a happy and talkative toastmaster. A telegram of greeting from Dean Talbot was read and much appreciated.

Herman Scherrer produced for us a very beautiful menu and program.

John C. Hawley, '93, of Detroit, spoke upon the subject of the coming meeting of the Technology Clubs Associated, and to accentuate this, films of the Ford and Cadillac Plants were on hand.

Wilson B. Parker gave a humorous history of our organization and the whole company joined lustily in the chorus of a topical song, the verses of which about various local members were written and sung by our Secretary, J. L. Wayne.

The evening closed with dancing, and the party was voted a grand success.

On April 28, the regular April meeting of the Indiana Association was held at the University Club, Indianapolis. Eighteen assembled at 6:30 for dinner.

Following this, a general discussion was had as to the possibility of our having a proper delegation go to the Technology Clubs Associated at Detroit.

The Secretary then reviewed his correspondence with the Cincinnati Tech Club and the Dayton Association, looking toward a joint holiday in June at some point convenient to all three cities. It looks as if this event can be effected early in June.

Chairman Franklin then announced the speaker of the evening, Mr. Fred C. Atkinson, of Indianapolis, who gave us an interesting talk upon Corn Products. Mr. Atkinson is a man of note in this field and, as a measure of the interest taken in his subject, the questions asked him kept him on his feet two hours.

The meeting was voted a success.

J. Lloyd Wayne, 3d, '96, *Secretary,*  
Bell Telephone Co. of Indiana, Indianapolis, Ind.

## TECHNOLOGY CLUB OF PUGET SOUND

On March 31, 1924, the Technology Club of Puget Sound revived for a dinner to greet O. B. Denison, '11, who was making a trip through our section of the country. After everyone was seated and the disappointment on the part of some members had been appeased through the fact that the Secretary had failed to provide the liquid refreshment that some felt should be offered to Technology men, Dennie sang "Rebecca." (Louis Svarz, '09, first closed the dining hall door.) Apparently enthused by the applause that greeted the song, Dennie presumed on our far-Western native modesty and asked every man in turn to rise and give his name, class and occupation, thereby giving all a chance to do a little advertising. This self-praise showed that about thirty per cent of those present were architects, which caused considerable discussion.

Quiet having been restored and the Secretary having collected the necessary stipend for the meal from each member present, Dennie talked on present conditions and life at the Institute illustrated by moving pictures. In the general discussion that followed, it was the consensus of opinion that no effort be made to have a regular luncheon day at present but that the group be called together by the President whenever the occasion warranted. A committee was selected by the President to work with local high school students who wished to enter Technology.

Officers were elected for the coming year as follows: R. L. Dyer, '06, President; and Neal E. Tourtellotte, '17, Secretary-Treasurer. Those present at the meeting were: W. Scott Matheson, '99, R. L. Dyer, '06, Francis Dabney, '75, A. K. Isham, '01, L. O. Wallon, '04, W. A. Gleason, '97, I. A. Dow, '10, Neal E. Tourtellotte, '17, Louis Svarz, '09, Robert B. McClelland, '17, Harold K. Moritz, '21, B. H. Dow, '08, Eugene Hunt, '09, H. H. Whithed, '11, E. O. Eastwood, '02, S. E. Geary, '10, H. H. Munroe, '06, G. E. Goodspeed, Jr., '10, David J. Myers, '98, C. A. Merriam, '06, Maurice P. Anderson, '10, G. Donald Bradley, '18, Daniel E. Whelan, Jr., '20, Willard V. Morse, '02, C. B. Dodge, '89, Gerald Frink, '00, George D. Luther, '07, H. Fryer, '11, O. B. Denison, '11, and F. A. Naramore, '07.

As summer approaches, we naturally expect an influx of tourists to our "Charmed Land." The Secretary will be very glad to act as a clearing house for any Technology men who wish to find Technology classmates or friends.

Neal E. Tourtellotte, '17, *Secretary,*  
1326 L. C. Smith Bldg., Seattle, Wash.

### TECHNOLOGY CLUB OF LAKE SUPERIOR

The Technology Club of Lake Superior held a very successful banquet and meeting on Saturday, May 10, at the Kitchi Gammi Club at Duluth, Minnesota. The occasion for this meeting was a visit of Mr. O. B. Denison, Executive Secretary, and Mr. George L. Gilmore, President of the Alumni Association. The banquet was in every way up to Tech standard, the carving of the roast turkeys being supervised by Walter Zimmerman, '93, and Carroll Steele, '08. After satisfying the inner man, Dennis favored us with some songs at the piano and Mr. H. I. Pearl, '10, sang a number of parodies involving a number of the alumni present at the meeting. After the entertainment, Mr. Denison gave us a very fine talk on the recent changes in the present outlook at Technology, and followed this with the exhibition of the moving picture film which he had with him showing various student activities and the scenes incident to the inauguration of President Stratton last June. This was followed by a very excellent address by Mr. W. C. Lounsbury, '04, of Superior, in which he emphasized the present obligations of the alumni to Technology and he brought out very clearly, by citing concrete examples, how every one of the alumni could promote the welfare of the Institute. The concluding address was by Mr. George L. Gilmore, the President of the Alumni Association, and his talk was tempered with his customary wit and sound judgment.

We entertained as our guests four prospective students each one of whom plan to go East to Tech this fall to form a nucleus for the Class of 1928. These men were Mr. Joseph B. Torwick, Mr. Floyd Stayner, Mr. George Palo all of Superior, Wisconsin, and Mr. Alfred Roden of Duluth. Mr. Roden has gained considerable prominence as a result of his ability as an oarsman and is at present trying out for the Olympic rowing team.

The meeting was presided over by Mr. Walter Zimmerman, '98, President.

Jonathan A. Noyes, '12, *Secretary,*  
910 Alworth Bldg., Duluth, Minn.

### WORCESTER COUNTY ALUMNI ASSOCIATION OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The annual meeting of the Worcester County Branch of the M. I. T. Alumni Association was held Saturday evening, May 24, at Sherer's Restaurant, Worcester, Mass. The meeting was called to order at 6:45 and a very enjoyable dinner was served. During the meal we were entertained by a radio concert broadcast from the Sherer Company's station. Immediately following the dinner an announcement of the scholarship to be given by the Worcester County Branch was broadcast. After the introductory announcement, Dugald C. Jackson, Professor of Electrical Engineering at the Institute, the personal representative of Dr. Stratton who was unable to be present owing to his having been called to a distant city, explained more in detail the facilities of the Institute and its decided advantages to the unseen audience listening in.

It is hoped that many of the school superintendents, who were notified by mail of the event, listened in. Further details as to the award of the scholarship and an application for same will be sent to the school superintendents at a future date.

Through the courtesy of our President, H. W. Estabrook, of the Sherer Company and their radio facilities, our scholarship plan was brought to the attention of the public.

Our other guests of the evening were O. B. Denison, Executive Secretary of the Alumni Association, and William H. Robinson, Jr., President of the Senior Class of 1924. Dennis assisted as usual at the piano and rendered an excellent repertoire of comedy songs. Mr. Robinson spoke on student life as it is today.

There were a total of fifty Tech men and guests present. Immediately after broadcasting, a business meeting was called to order and reports of the Secretary and President were read and approved and the report of the Nominating Committee was heard and their slate of officers as read were elected for the ensuing year. They are as follows: President, F. N. Dillon, '93; Vice-President, Robert L. Fuller, '96; Secretary, Ernest P. Whitehead, '20; Executive Committee, H. F. Shaw, '11, A. S. Heywood, '92, P. J. Colvin, '07, and R. C. Rundlett, '23.

The business meeting was adjourned at 10:30, following which those present had an informal "get-together" and were escorted through the radio station of the Sherer Company, where a close-up view of a broadcasting station in operation was shown and explained by the staff in charge. We are indebted to Mr. Estabrook for this experience.

Ernest P. Whitehead, '20, *Secretary,*  
18 Downing Street, Worcester, Mass.

### TECHNOLOGY CLUB OF MAINE

The club was unable to withstand the horrors of the late war and lapsed into a state of coma. Last fall, O. B. Denison with the aid of Professor Miller induced it to rouse and take a little nourishment, which again gave a ray of hope to those interested. It convalesced during the winter months in spite of the rugged climate and finally stood on its own feet, happy, healthy and robust at its dinner on March 14 to greet Dr. Stratton.

The club knew that such a specialist as Dr. Stratton could cause its heart to beat again if anyone could, and anticipations were left trailing by realization. Anticipating the fact that the club might still be a little weak and perhaps not too steady of hand, the committee in charge supplied each one present with a red cambric bib bearing the wearer's name and class stenciled in large letters in gray paint.

To be sure that the patient had no opportunity or excuse for a relapse, each course of the dinner was preceded by a short talk by various members . . . and the talks were on the course about to come. Thus as the empty soup cups were being removed, making way for a plate of fish, the club listened to a more or less authoritative discourse on fish and so on between each course. Somewhere in each of these talks there occurred a paragraph or so of fact as interesting as could be secured on the topic, while the rest of the five minutes was devoted to a light and doubtful humor.

Mr. E. E. Blake, '93, of the Saco-Lowell shops, Biddeford (inconsistent name, isn't it?), was allowed to speak without competition, with the rattling of dishes and passing of the waitresses, on his recent trip to India and thereabouts. The club's eyes sparkled and a healthy glow rose to its cheeks. Mr. Blake had its permission to run on through the night with his experiences if his strength could hold out.

At this point, Dr. Stratton assumed the burden in the manner well known. He brought a picture of the activity of the Institute not realized by most of the members. He told of the contacts, systematic contacts that were being maintained with industries that the work of the Institute might better proceed. The briefest resumé here would not do justice in any measure and so the matter will be left untouched. May it be a lesson to those ingrates who hugged their own firesides that evening.

At that meeting a directory of the alumni in Maine was distributed and this opportunity is clutched to ask the aid of those moving into and out of the state to notify us of changes.

Norman P. Dana, '20, *Secretary,*  
126 Neal Street, Portland, Maine.

### NEW HAVEN COUNTY TECHNOLOGY CLUB

Since the last issue of The Review the New Haven County Technology Club has held a very successful meeting at Waterbury. The Hartford Club was invited to join us and the combination of New Haven, Waterbury, and Hartford men, made a very interesting evening for all of us.

The gangs gathered at the Waterbury University Club and about sixty-five sat down to dinner. After dinner, Toastmaster Davis kept the enthusiasm going, by presenting an exhibition of the third dimension movie, called the Plastigram. The next event was a technical discussion of the intricate speed reduction gear known as the Hydraulic Gear. Slides were furnished and an unassembled gear was available for inspection purposes.

The next event for the club will be an annual meeting with election of officers for the coming year. This will probably be held about the middle of June.

We hope to spend the day with the Hartford Club when their annual outing takes place at Saybrook in the latter part of June.

Herbert R. Polleys, '18, *Secretary,*  
1523 Chapel Street, New Haven, Conn.

### WASHINGTON SOCIETY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The Washington Society has just issued a directory of its members. We shall be glad to send one to any exchanges wishing it.

A speaker luncheon of the Washington Society was held on Friday, May 16, at the University Club. The speaker was Commander J. B. Rhodes, U. S. N. Commander Rhodes was in command of the Destroyer "Litchfield" in Russian waters in 1922 and gave a most interesting description of "Russian Conditions as Seen at First-Hand."

The club was interested in hearing from Mr. Tomlinson, Secretary of the Chicago Technology Club, who brought greetings from that city.

W. M. Corse, '99, *Secretary,*  
1901 Wyoming Avenue, Washington, D. C.

### TECHNOLOGY CLUB OF HARTFORD

The Technology Club of Hartford celebrated the Nineteenth Anniversary on the occasion of its Annual Banquet at the Hotel Bond, Hartford, on Saturday evening, May 10. For the eighteenth consecutive time, George W. Baker was elected Secretary-Treasurer. Secretary Baker reviewed the early days of the club, and showed the surprising growth which it had enjoyed during the last ten years. If the same growth is enjoyed during the coming ten years, Mr. Baker promises it will be the leading college club of the city.

Frederick C. Moore, Assistant Secretary of The Hartford Fire Insurance Co., was reelected President for another term, and E. C. Alden, of the Pratt & Whitney Co., was reelected Vice-President.

The club was fortunate in having Professor Edward F. Miller of Technology present during the meeting. Professor Miller is known by most of the members, and was given a rousing reception. He spoke informally, and in his usual very interesting style, of the conditions existing in Technology now as compared with what they were when the majority of the club were students. A great deal of enthusiasm greeted Professor Miller's statement that Technology had come to be the leading engineering university of the world. He spoke in the highest terms of the valuable influence the Army and the Navy student officers had upon the student body as a whole, and predicted that the benefit to Technology of close contact with the Military Arms of the Government was bound to be of great value to the Institute.

Captain Earl Buckingham of the Pratt & Whitney Company also spoke on "The Detailed Design of Modern Gearing." His lecture was illustrated with lantern slides which showed the modern methods of measuring gear teeth. Captain Buckingham stated that the limits of precision in the manufacture of gear teeth were set by the limits of the measuring apparatus employed.

A joint meeting with the New Haven Technology Club will be held at Lyme on Saturday, June 28, when the usual outing will be enjoyed. About sixty attend these outings. The baseball score now stands Hartford 2 — New Haven 1; Golf, New Haven 2 — Hartford 1; Tennis, Hartford 1 — New Haven 1. Cups have been offered for the first two events.

George W. Baker, '92, *Secretary*,  
Box 983, Hartford, Conn.

### TECHNOLOGY CLUB OF FALL RIVER

The annual Technology Musical Clubs' concert and dance, which was held in Temple Hall, Friday evening, February 1, was a great success, both socially and financially. Many of the Musical Clubs' members renewed old friendships, while the newer men soon made friends with the members of the local Technology Club, who acted as hosts for the evening. Approximately thirty members of the Musical Clubs arrived in Fall River in time to be entertained at dinner at the homes of their hosts, previous to the concert, which was scheduled for eight o'clock.

The concert program proved to be very entertaining, although many of us missed Kingsley's "Majic," which was on the program last year.

The dance orchestra lived up to its reputation for syncopation and pep, giving an excellent program of the latest dance music. Even the elderly people in the balcony could not keep their feet still.

Financially, we did not succeed quite as well as last year, when \$275 was raised for the benefit of the Fall River District Nursing Association. This year a check for \$210 was sent to the same association.

The following men served on the various committees: Printing: Edward Carroll, Chairman, M. Sampson, Leo McNally; Entertainment: R. H. Gee, Chairman; L. L. McGrady, A. H. Andrews; Decorations: S. F. Hatch; Publicity and Mailing Lists: C. H. Warner, Chairman, L. L. McGrady, A. D. Nute; Refreshments: A. E. Hirst; Ushears: D. S. Owler.

Only twelve members turned out at our meeting on February 29, to hear Mr. Mattson of the Babson Statistical Organization give a very interesting discourse on business cycles. These cycles were shown graphically on charts and included all the years from 1860 to 1924. Mr. Mattson spoke of business conditions in general, and of the depression in the cotton industry in particular, especially as it affected the business conditions in Fall River. A short discussion followed the meeting.

Our outing and clambake is scheduled to be held on Wednesday afternoon, June 11, on the summer estate of Mr. Haffener, our President, who is overseeing the plans for this big event.

Alden D. Nute, '17, *Secretary*,  
345 Pearce Street, Fall River, Mass.

### TECHNOLOGY CLUB OF NEW YORK

The annual meeting of the club was held on Wednesday evening, May 14, 1924, and the following officers and governors were unanimously elected: President, R. H. Howes, '03; Vice-Presidents, Dr. S. W. Stratton, President of the Institute, T. Coleman duPont, '84, E. C. Lufkin, '85 and J. P. Munroe, '82; Executive Secretary, R. J. Marlow, '17; Recording Secretary, R. H. Scannell, '17; Treasurer, F. E. Foss, '86; Assistant Treasurer, D. J. McGrath, '12; and Governors, L. A. Ford, '89, Reginald A. Wentworth, '04 and D. R. Linsley, '22.

During the latter part of April, Dr. Stratton tendered a luncheon to some of the alumni in New York City for the purpose of discussing the new All-Technology Club House, to be located in the Grand Central District. We note with great interest that J. P. Munroe presented a report on this project at a recent meeting of the Alumni Council, and that it was unanimously endorsed by that body. It was also voted that said report be submitted at the Annual Convention of the Technology Clubs Associated, held in Detroit on May 19, 20 and 21 and to proceed along the lines outlined in that report.

We have been patiently waiting to open up the pergola, and enjoy our meals in the open, but on account of too much moisture and the chill air, we prefer remaining near the log fire. However, Sporty is shining up the place with the hopes of getting outside within the near future.

Monday evening, the nineteenth, the club held its annual May Party. Tony Bufano brought his Marionettes to the clubhouse and entertained the crowd, after which everyone adjourned to the Stein Room, where refreshments were served.

Robert J. Marlow, '17, *Secretary*,  
17 Gramercy Park, New York, N. Y.

### TECHNOLOGY CLUB OF RHODE ISLAND

The annual meeting is always one of the most interesting meetings of the year and this year proved no exception, for on the 8th of May the former laborers of "The Factory on the Charles" gathered at the Turks Head Club to enjoy one of the most enjoyable evenings that it has been our privilege to enjoy.

The club is admirably situated on the top of the tallest building in New England, affording from its windows a remarkable view of the city, and guaranteeing, by virtue of its altitude, a clarity of air quite remarkable considering the ability of most post-banquet orators to produce somnolence.

However, our speakers on this occasion did not fall in that category for their scintillating wit and rapier-like thrusts of irony at the intolerance of humanity in general kept the attention of the small but enthusiastic audience until the last verbal broadside had been fired.

Horace S. Ford, the well-known collector of five-dollar bills, gave us an interesting and instructive talk on the general financial condition of the Institute, showing us among other things the relation of tuition to academic expense over a period of years. It was Dr. Maclaurin's desire to have these balance and the Bursar's charts showed how nearly this object had been attained. He also gave us a clearer idea of the Swope Plan and described the present dormitory situation with the plans for its future. It was an entertaining recital of unusual facts concerning Tech which made it so enjoyable.

The next act on our program was by one P. W. Marks, an author of note, who, being about to quit our fair city, felt no hesitation in speaking or writing with the freedom of Balzac. Hence "The Plastic Age." Characterized by a welcome absence of inhibition this exposé of college life has proved interesting reading to those who can compare it with their own college days and perhaps see how much they missed. Percy is a clever talker as well as a writer, and his story of the writing of his book proved very entertaining.

His outstanding reaction after reading the volumes of letters received, is the intolerance of the older generation who write him page after page condemning the present age and stating or implying a life free from sin or frivolity in their own youth. The book is fully eighty per cent on the good in college life, as he says, but the majority of the readers skim through that and hang on to their chairs in glee while the hero passes through two pages and a half of temptations. The book is not overdrawn, the author claims, and is written about good boys. If he ever wrote about the other kind, the book would ignite spontaneously.

All in all, it was a good evening. We did transact some business, consisting of a few notes by the Secretary and the annual election of officers for the coming year. They are as follows: Morell Mackenzie, President; Norris G. Abbott, Jr., Vice-President; Norman D. MacLeod, Secretary-Treasurer; Arthur K. Stewart, Lawrence E. Knowlton, Executive Council; and Clarence L. Hussey, Delegate to Alumni Council.

The Treasurer's report showed a balance on hand of \$412.28 of which \$150 was the result of the Musical Clubs' Concert and forms the basis of our scholarship fund.

Norris G. Abbott, Jr., '20, *Secretary*,  
107 Providence Street, Providence, R. I.

#### TECHNOLOGY CLUB OF PHILADELPHIA

The annual picnic and field day will be held on Saturday, June 21, at St. Luke's School in Wayne. Last year we found that St. Luke's is an ideal place for the outing, and this year we are looking forward to seeing the usual large and enthusiastic group of Tech families.

At the May meeting we elected officers for next year. Dexter A. Tutein, '17, who recently served two years as Secretary and Treasurer, was elected President. J. G. Harrison, '06, after working faithfully this past year as Chairman of the Entertainment Committee, was elected Vice-President. As usual, the Secretary-Treasurer was reelected for a second year. C. A. Anderson, '05, the retiring President, H. C. Crowell, '03, H. A. Grosscup, '20, and A. H. Kinghorn, Jr., '20, were elected to the Executive Committee.

The May meeting brought out the radio fans. L. E. Mayea, Senior Radio Inspector at the Navy Yard, gave a talk on "The Radio Compass and Direction Finding"; and H. J. Dible, of the Bell Telephone Company of Pennsylvania, spoke about "Wire Telephony as an Adjunct to Radio Broadcasting."

We close this season with nearly 450 Tech men in the Philadelphia territory. Eighty-four per cent of this total are located within one hour of City Hall, and twenty-seven per cent of the total have paid dues as members of the Technology club.

Walter J. Beadle, '17, *Secretary*,  
Philadelphia Rapid Transit Co., Philadelphia, Pa.

#### TECHNOLOGY CLUB OF MILWAUKEE

The Milwaukee Association was visited on May 14 and 15, 1924, by Orville B. Denison, Executive Secretary of the Alumni Association.

Mr. Denison spoke to pupils of the Country Day School, the West Division, Washington, East Division and the University High Schools. A dinner was given for him on Wednesday night at the Milwaukee Athletic Club. Vice-President Edwin B. Bartlett presided in his usual happy and felicitous manner. All present were called upon and made some remarks. Mr. Denison spoke on progress at the Institute and, after some difficulty with the moving picture machine, showed his reel on Tech and some of the professors.

Besides Mr. Denison the following men were present:

William R. Copeland, '93, Edwin C. Cramer, '96, P. L. Crittenden, '01, C. J. McIntosh, '03, L. Wehner, '03, George A. Hool, '05, Mitchell Mackie, '05, Edwin L. Smith, '05, Edwin B. Bartlett, '06, John Blatz, '06, Mark H. Place, '06, Sidney D. Wells, '07, E. J. Tully, '08, Leon J. D. Healy, '09, Joseph G. Bach, '10, Louis O. French, '10, B. M. Pettit, '10, Stuart H. Caldwell, '18, Trevor Davidson, '21, Charles F. Pope, '22, and Roland H. Becker, '23.

At the regular luncheon on Thursday, three men, Phelps Wyman, '05, S. B. Bragdon, '20, and George W. Pollock, '21, who had been unable to attend the dinner, were present.

George H. Norris, President of the Milwaukee Association, with Mrs. Norris, spent eight weeks during February, March and April, in the West Indies. Mr. Norris was confined to his home with a severe cold at the time of Mr. Denison's visit. We were all sorry to miss his genial presence and his planning prior to his illness was largely responsible for the success of the meeting during Mr. Denison's stay.

Edwin L. Smith, '05, has become Secretary-Treasurer of the Lane Company, art goods. The company must be doing a good business, as Edwin is no longer able to carry on the strenuous work of Secretary.

Louis O. French, '10, has now branched out for himself in the patent attorney business and is located in Room 707, Trust Company Building.

George A. Hool, '05, Madison, was asking to have a silver medal pinned on him for bringing down Charles Pope to the dinner. However, when he appeared at the Club he found two other Madison men, Wells, '07, and Tully, '08, who had driven over, and allowed the medal should be made of gold.

Phelps Wyman, '05, is now connected with the Regional Planning Board of Milwaukee County.

B. M. Pettit, '10, will act as usher at the wedding of Miss Elizabeth Wahl and Charles P. Emery, on June 7.

The following Tech men have left Milwaukee: Fred R. Lufkin, '10, for Elgin; B. Spencer Porter, '15, for Albany; Philip Coleman, '23, for Gary; Charles J. Chapin, '97, for Marshfield; John Keats, '19, for the East, and M. D. Bradley, '22, for the East.

George A. Hool, '05, teacher, author and consulting engineer, reports that he has just sent in the copy of the sixth and last volume of his engineer's library. This is the fourteenth book of which Professor Hool is the author. He is also the President of a bond company at Madison and, no doubt, will gather in all the loose change of central Wisconsin and soon be in a position to finance any Tech activities in this neighborhood.

Mark H. Place, '06, *Secretary*,  
814 Bartlett Avenue, Milwaukee, Wis.

#### TECHNOLOGY ASSOCIATION OF OREGON

The first meeting for the 1924 season of the M. I. T. Alumni was held at the University Club on Thursday evening on March 27. Orville B. Denison, Executive Secretary of the Alumni Association, was the guest of honor and speaker of the evening.

His address, illustrated with a reel of motion pictures, portrayed Technology as it is today in complete detail. All present were thoroughly interested for an hour or two in the up-to-date news and pictures from the Alma Mater.

Between the dinner courses, Mr. Denison, who is very versatile, entertained at the piano, singing and playing songs of his own and leading the club in singing Tech songs.

The object of Mr. Denison's visit to the local alumni club in an effort to stimulate a closer bond of interest between the alumni and the Alma Mater, was most certainly achieved and it is to be hoped that every Tech man in other parts of the country who has not already heard Mr. Denison, will not miss the opportunity of hearing him when he visits their local alumni branch.

As this was the first meeting of the year, officers were elected as follows: President, H. A. Angell, '11, and Secretary and Treasurer, R. E. Cushman, '06.

The following alumni were present: H. A. Angell, '11; O. R. Bean, '10; T. W. Burkhardt, '17; W. H. Crowell, '05; R. E. Cushman, '06; P. H. Dater, '98; W. G. Holford, '01; George Jones, '13; E. F. Lawrence, '01; E. B. McNaughton, '02; C. D. Simonds, '01; and Glenn Stanton, '21.

The meeting adjourned at about 10:30 p.m.

Robert E. Cushman, '06, *Secretary*,  
881 Bryce Avenue, Portland, Oregon.

#### TECHNOLOGY CLUB OF MINNESOTA

The M. I. T. Alumni of Minneapolis and St. Paul held meetings in April and May.

At the meeting in May we had the pleasure of having with us, Mr. Orville B. Denison, Executive Secretary of the Alumni Association.

At this meeting, in addition to local alumni, there were present a number of prominent local educators, including L. D. Coffman, President of the University of Minnesota; O. M. Leland, Dean of the College of Engineering, University of Minnesota; E. E. Nicholson, Dean of Student Affairs, University of Minnesota; and L. O. Hartwell, Superintendent of Public Schools, St. Paul, Minn.

Mr. Denison's visit was very well received, not only by former Tech students but by a great many others with whom he came in contact. His visit, as well as his several talks, were featured in Twin City papers daily during his stay.

Unquestionably he caused many prospective students to think favorably about a future course at the Institute, and many men interested in higher education were given a favorable impression of Tech, which will be passed along at every opportunity.

The alumni dinner to Mr. Denison was held at the University Club in St. Paul, and the following former students were present: J. W. Shuman, '97, Orville B. Denison, '11, O. M. Leland, Edward E. Nicholson, M. T. Silverling, '22, Frederick Bass, '01, E. L. Macgowan, '95, Bernard Blum, '04, H. E. Young, '06, David L. Sutherland, '14, Willis R. Salisbury, '12, Clarence J. Brown, '09, J. R. Randall, '07, D. W. C. Ruff, '07, W. H. Boyce, '94, T. A. Fogue, '88, Harry W. Jones, '82, E. D. Wells, '17, George I. Doherty, '12, Jacob S. Cowell, Jr., '99, J. F. Greene, '07, E. A. Merrill, '22, Gerald H. Beard, '14, F. M. Mauer, '94, F. Mann, Ralph Hamlin, '00, A. R. Nichols, '02, G. C. Scales, '88, R. R. Schute, '04, E. N. Frank, '14, J. E. Edelstein, '14, C. F. Haglin, '13, D. Belcher, '09, Clifford C. Field, '10, Dale R. McEnary, '14, L. D. Coffman, and T. O. Hartwell.

Harold E. Young, '06, *Secretary*,  
15 South Fifth Street, Minneapolis, Minn.

#### TECHNOLOGY ASSOCIATION OF NORTHERN CALIFORNIA

Our popular monthly meetings, with an after-luncheon talk by some member, have been continued during this past winter as usual. The attendance is pretty regular, (from fifteen to twenty-five each month) at the Engineers' Club of San Francisco.

Of more general interest will be our pilgrimage to the home of Dean Burton, now retired, at Carmel-by-the-Sea. Members, with mothers, wives, children, or sweethearts, left the city Saturday morning, May 3, and drove over the all-paved beautiful highway via San Juan Pass and Monterey to Carmel, arriving in good time for dinner at the Pine Inn.

Dr. Burton, by reason of his powerful influence in the community, had reserved seats for us all at the annual amateur "Carmel Follies," — so greatly in demand that the little theater could have been sold out twice over. There were twenty-one of us there — men, women and children — and all glad we could be. Excellently well done farce!

After the theater, Mrs. Burton invited the whole party to her home, where wit and wisdom were mixed with coffee and doughnuts until midnight, when we returned to the hotel.

Dr. Burton is quite his old delightful self, — always enthusiastically leading for the welfare of his community.

Sunday morning we all met again at the Burton's and drove to Point Lobos, — that strangely and weirdly beautiful reserve just around the bay from Carmel. Campfires were built and a regular picnic lunch prepared by the energetic ones, while the rest of us just loafed around enjoying it.

We returned our separate ways Sunday afternoon, all accounted for and glad we went.

We hope that Dean Burton and Mrs. Burton and the little Burtons enjoyed it as much as we did, and that they will welcome us again next year.

Ray J. Barber, '06, *Secretary,*  
350 Post Street, San Francisco, Calif.

#### TECHNOLOGY CLUB OF SHANGHAI

Since our last notes for The Review, which were published sometime in the distant past, and for which the old files are not available, the club has had many meetings and a change of administration. At the annual election held in December at the Great Eastern Hotel, V. F. Lam, '16, was elected President, E. C. Holbrook, '12, Secretary-Treasurer, and Mr. H. Pai, '20,

Assistant Secretary-Treasurer. The accompanying photograph of guests and members was taken after this meeting on the hotel roof.

At the first meeting of the season a new scheme was adopted for arranging the programs for the different meetings which has proved very successful especially from the point of view of the club officers on whom the burden of such duties has heretofore fallen. It was decided to allot each monthly meeting to a group of members who act as hosts and take care of all arrangements and financing. The new scheme seems to have stimulated the attendances so that there never have been less than twenty members present at any of the meetings.

This new method of making arrangements for meetings has also resulted in a variety of dinners and entertainments which probably accounted for some of its popularity. At one of the meetings a Chinese juggler provided the entertainment. At the March meeting, Mr. P. P. Witham, President of The Asia Development Co., gave a lecture illustrated by moving pictures on the Yellow River Dike which was recently completed by his company. One of the most interesting meetings took the form of a tiffin party and outing for members and guests at the Pan Sung Yuan Garden, where some of the members indulged in donkey racing to settle their tiffins.

We regret to report the death of S. S. Keh, '13, under peculiarly tragic circumstances on January 19, 1924, at the hands of bandits in Shantung Province. At the time of his capture on December 2, 1923, Mr. Keh was employed by the Kiachow Tsinanfu Railroad as Sectional Mechanical Engineer. His capture and subsequent murder were instigated from motives of revenge by a former locomotive engineer who had been discharged by the murdered official because of careless performance of his duties. A ransom of Mexican \$80,000 was first demanded for the release of the captive but this was finally reduced to \$15,000, and the money had actually been paid and all arrangements effected for his release when the report of the tragedy was received. Mr. Keh was thirty-four years old and is survived by a wife and five children.

E. C. Holbrook, '12, *Secretary,*  
Truscon Steel Co., Shanghai, China.

#### THE TECHNOLOGY CLUB OF SHANGHAI 1923



ANOTHER EXAMPLE OF LONG DISTANCE PHOTOGRAPHY

From left to right. Standing, at rear: K. Leavens, '10; T. P. Hsi, '14; M. Chow, '15; M. T. Hsu, '13; T. M. Hu, '17; M. H. Pai, '20; Y. T. Chang, '17; Y. T. Van, '14; Y. T. Sze, '14; M. S. Zhen, '14. Standing, second row: K. Chun, '20; C. H. Chiang, '18; W. A. Adams, '08; James Noble, '10; P. H. Hsu, '13; E. C. Miao, '18; L. Han, '14; S. Y. Chen, '13; K. T. Lee, '19; S. M. Lee, '19; M. C. Guss, '16. Seated: J. H. Nelson, '19; Mrs. L. Lan, Mrs. T. C. Hsu, Mrs. T. P. Hsu, V. F. Lam, '16; Mrs. Leavens; Mrs. V. F. Lam; E. C. Holbrook, '12; Mrs. Guss; Mrs. Nelson. Seated on the ground: T. K. Kao, '15.

# NEWS FROM THE CLASSES

*News from even-numbered classes is published in issues dated November, January, March and May. News from odd-numbered classes is published in issues dated December, February, April and July. The only exceptions to this rule are those classes whose Secretaries have guaranteed the appearance of notes in every issue. These classes are: 1896, 1900, 1901, 1902, 1905, 1907, 1911, 1912, 1914, 1915, 1916, 1917, 1918, 1921, 1922 and 1923. Other classes adhere to the alternate schedule.*

*Due to strict limitation of space, The Review is unable to publish lists of address changes of members of the Association. The Alumni Office in Room 3-209, M. I. T., will supply a requested address or will act as the forwarding agent for any letters addressed to members of the Association in its care.*

1881

FRANK H. BRIGGS, *Secretary, 390 Commonwealth Ave., Boston, Mass.*

Frank Dort, who is still located at Montreal, called on the Assistant Permanent Secretary in March, but as your Secretary was at Arkansas, Hot Springs, getting rid of rheumatism and neuritis, he was unable to see him.

The Secretary is deep in athletic matters, being a member of the Executive Committee of the American Olympic Committee, and active in all college events.

Dave Bissell is now located at Geneva, New York.

1883

HARVEY S. CHASE, *Secretary, 84 State St., Boston, Mass.*

Your Secretary wishes to report that on his return to Boston on May 21, he found a dearth of class news, except the proposal to hold another class reunion this year the latter part of June at Hyannisport — The Gables — where the reunion was held last year. It was the unanimous opinion that no better place could be found, and this may be taken as a notice to all members of the class that plans for this festivity are now being prepared. The Secretary desires all members of the class, who may possibly attend, to write to him. Suggestions for any other place or time are now in order. Any such suggestions will be put before the class in the notice soon to be issued.

1885

I. W. LITCHFIELD, *Secretary, Hotel Wadsworth, 10 Kenmore St., Boston, Mass.*

The annual class dinner was held at the Boston Athletic Club on April 26, with fifteen present. Those attending were Brown, Dewson, Fiske, Litchfield, Plaisted, Pratt, Frazer, Rawson, Fred Kimball, Robertson, Sise, Steele, Talbot, Worthington and Wallace. Nat Robertson's rubicund countenance, much cleaner than at the parade at Squam Lake, came all the way from Scranton with torso, arms and legs attached, and was a beautiful and welcome sight. The new officers are Bert Pratt, President; Ike Litchfield, Secretary; Ed Dewson, Treasurer.

The principal topic for discussion was the celebration of our Fortieth Anniversary, which will be held at the Wianno Club, Cape Cod, June 12 to 17, 1925. The President will announce the committees and other details in the fall so that ample preparation can be made.

Chippy Chapman wired his greetings and good wishes from Raton, New Mexico, which President Fiske acknowledged.—Jack Harding couldn't come because the 26th was his birthday and he had made arrangements to celebrate it with a family party.—Tom Fry does more or less traveling between the plants of the Sullivan Machine Company and the dinner date interferred with one of these trips.—Charlie Allen has moved from Minneapolis and is now in Washington, D. C., as general Educational Consultant for the Federal Board of Vocational Education. In the future he hopes to be with us often.

Word came the last of February that Mrs. Charles R. Richards had passed away suddenly at Cannes, France, after an attack of influenza. Charles and Mrs. Richards spent several months in the old countries of the central empires, Charles as the representative of the American Association of Museums. In the Tyrol, Mrs. Richards contracted a severe cold which later passed into a serious form. Charles arrived in New York about the middle of April and has been domiciled with Bob Richardson on Gramercy Park. His address is care of the General Education Board, 61 Broadway.

While blithely skimming over the landscape of Florida in March, Dick Pierce encountered traffic obstructions which moved in suddenly from the side of the road and had the mis-

fortune to break his arm at the wrist. He is now in Boston and between masseurs and golf the injured member is returning to normal.

Charles E. Ames, a son of Oakes Ames, was married in New York, on May 10, to Miss Eleanor Irving King, daughter of Mr. and Mrs. James Gore King of 103 East 65th Street.

Charlie Eaton long ago succeeded Daniel Pratt to the title of the Great American Traveler. The *Boston Globe* of March 9 adds another leaf to his trans-continental peregrinations, as follows:

"Charles W. Eaton of this city, who left San Francisco on Wednesday, February 13, by auto and drove across the country alone, established what is probably a record for pleasure touring in winter even though he was forced to finish his trip from Uniontown, Pa., to Boston by rail.

"Mr. Eaton, M. I. T. graduate and former professor, has in the past ten years crossed the United States by auto four times and is a veteran traveler, having visited about every country in the world. He covered 50,000 miles in a world tour two years ago and last year visited South America.

"Last fall, Mr. Eaton left Haverhill for a trans-continental trip solely to get an auto that he left in storage in a warehouse in San Francisco after he had completed a trip to Alaska and started on his twelve-month trip around the world.

"Two months ago he forwarded a letter to the Massachusetts State Income Tax Department, requesting an extension of time in which to forward his statement as he did not plan to return East until this month and planned to come back by auto.

"Just a month ago, as he had not received any reply to his letter, he decided to cut his Western visit short and set out East, coming through Colorado and Kansas, figuring that he would reach Boston before March 1.

"It was good driving," said Mr. Eaton, "until I got into West Virginia and then in coming through the Alleghenys I ran into more snow than I had seen on all the trip and further learned that they had had nine feet of snow in Pennsylvania this winter."

"Reaching Uniontown, Mr. Eaton found his progress blocked, as the highways were covered with deep snow, so he decided to store the auto. He came to Boston by train, arriving in time to file his income tax return.

"He returned to Haverhill for a brief visit with his brother and friends and plans to start out again shortly.

"The auto that Mr. Eaton went after, last fall, is still in the warehouse. The car is of foreign make with chain drive and he says that when he went to take it out of storage, he found that the auto laws in California had been changed in the past two years and that it would cost considerable to make the machine, which is right hand drive, conform with the present laws. He decided to leave the machine in storage for a longer period.

"The auto, in storage for over two years in San Francisco, is one of two of the same make that Mr. Eaton purchased in 1915. The second machine he turned over for \$1 to the war department for the use of the chief engineer of the Army Corps, after the United States entered the World War.

"Expecting to be able to secure the chain-drive machine that he had turned over to the War Department for \$1, Mr. Eaton says he met with a rebuff when he requested its return, and was informed that he could only obtain it at the market value."

The *American Magazine* for May contains an excellent article on Arthur Little, by Samuel Crowther, also a full page rotogravure of our distinguished classmate. The one important thing that the article did not bring out is the service that Arthur has done for the chemist by his effective endeavors to dignify and elevate the profession.

S. Cuyler Greene has again been located. His address is 3411 Lycaster Street, Detroit, Michigan.

1887

EDWARD G. THOMAS, *Secretary*, Toledo Scale Co.,  
Toledo, Ohio

No notes received from the Secretary.

1889

WALTER H. KILHAM, *Secretary*, 9 Park St., Boston, Mass.

The Thirty-fifth Annual Dinner was held at the St. Botolph Club on May 18, 1924, with eighteen men present. The evening was enlivened with a talk by Dunphe on his adventures on blue water, not exactly a yachting trip, but an enviable trip for a retired official to be able to take. A full account has already been published in *The Review*. This was followed by stories and anecdotes, some of them by Fiske in his later vein, and by general conversation.

The members decided to hold a reunion on June 6, 7 and 8 at the Wianno Club and a committee consisting of the President and Secretary-Treasurer was appointed to promote the affair which for general satiety, salubrity and de-luxeness is expected to surpass all others.

It was a source of great chagrin that when, after so long a period of refusals from the co-eds, one of our co-ed members presented herself we could not entertain her, on account of the house rules of the St. Botolph Club. But partial reparation was made the next day when, by vote of the members, Miss Rockfellow became the guest of honor at an impromptu luncheon at the Union Club, which was a delightful affair. Miss Rockfellow was back East on a vacation from architecting in Tucson, Arizona, where she has been for the past nine years and it was a great pleasure to see her again.

The Secretary has taken the lesson to heart and in the future will see to it that hereafter all meetings and reunions are held in quarters where ladies are welcomed.

Whipple, as Chairman of the Sub-Committee on Plumbing, U. S. Department of Commerce, is still doing valiant and much needed work on the movement for cheaper and more rational plumbing for dwelling houses.

Crabtree has been elected President of the Engineers' Society of Western Pennsylvania. This organization with a membership of 1200 is one of the largest engineers' societies in the country.

Miss Mary Lunn Beals, daughter of Rev. C. E. Beals of '89, has been appointed pastor's assistant of the Franklin Street Congregational Church, Manchester, N. H.

The heartfelt sympathy of the class goes out to Williston in the death of his wife, Irene Simmons Williston on May 2. To those who were privileged to know her and who recall her as a woman of unusual charm, the news of her passing came as a double loss.

1891

HENRY A. FISKE, *Secretary*, 260 West Exchange St.,  
Providence, R. I.

Our friend and classmate, Stephen Breed Boyd, passed away on April 20. He always maintained his interest in Tech and class affairs and there are many of us who will miss him. The following appeared in a Lexington, Massachusetts, paper:

"Stephen Breed Boyd, for the past five years a resident of Lexington, passed away Sunday morning at his home, 91 North Hancock Street. For the past year, Mr. Boyd had been in poor health due to hardening of the arteries.

"He was born in Newburg, New York, in 1870, and received his education there and in Waterbury, Connecticut, where the family later lived. He was in the Class of '91 at the Massachusetts Institute of Technology, and for the past twenty-four years has been at the Charlestown Navy Yard, where he was assistant chief draftsman. For many years he taught sheet metal work and ship drafting in the Boston Evening Schools.

"In 1894, he married Mabel A. Cox, eldest daughter of Hon. Alfred E. Cox, of Malden, and until recently had made his home in Malden, where he was a member of the University Club and the Mt. Vernon Lodge of Masons. He was a member of the Hancock Congregational Church of Lexington, where he served as deacon four years, a member of the Simon W. Robinson Lodge of Masons in Lexington, and a member of Lexington Chapter, O. E. S. He is survived by his wife; two sons, Stuart M., of West Haven, Connecticut and Robert F., of Malden; two daughters, Mrs. George E. Plaisted, Jr., of Lexington and Miss Marjorie Boyd, a teacher in Winthrop College, Rock Hill, South Carolina, and three grandchildren.

"The funeral was held Tuesday afternoon in his late home on North Hancock Street, the service being conducted by the Rev. Christopher W. Collier, pastor of the Hancock Congregational Church. There were vocal selections by Arthur F. Tucker of Lexington. Associates of Mr. Boyd from the Navy Yard attended the service. The pall bearers were Stuart M.

Boyd and Robert F. Boyd, the sons; Walter M. Boyd of Waterbury, Conn., a brother, and Stephen Alec Breed, of Cambridge, a cousin. There was a profusion of beautiful flowers, which spoke highly of the esteem in which Mr. Boyd was held by a host of relatives and friends. The body was taken to Malden for burial in the family lot in Forestdale cemetery."

Due to the enterprise of Charlie Aiken, a '91 get-together dinner was held at the Tech Club in New York in March with the following present: Aiken, Atkinson, Swan, Hatch, F. F. Moore, F. Campbell Moore, Spooner, Gottlieb, Snyder, Fiske. Swan is now in New York editing the *Marine Engineering and Shipping Age*. Spooner has been made Head of the Department of the New Jersey Actuarial Bureau with which he has been connected for several years. Aiken is still making soap machinery and such, but has moved from Brooklyn to Ridgewood, New Jersey. Try this dinner stunt again, Charlie, and give all us travelling men plenty of advance notice. I see a good many '91 men who commute more or less regularly from Boston to New York, such as Will Wilder, Jerry Campbell, Francis Holmes, Harry Bradlee, Harry Young, etc.

Charles E. Wilson writes that he went into the shoe business in Lynn after leaving Tech, but recently retired and is now taking it easy in connection with his interest in the Lynn Institute for Savings and the Security Trust Company.

A letter from Charlie Wetherbee to Frank Holmes reads in part as follows:

"I am still connected with the Bath Iron Works, Ltd., Bath, Maine, although I have relinquished the active management of the plant and am really working on part time in an advisory capacity and also in an endeavor wherever possible to obtain work for that plant. My present title is Engineering Director of that company. I am happy to say that my health is still good.

"My only son, George B. Wetherbee, was graduated from the Institute in 1921, Course II. After graduation he worked for a year with the Pejepscot Paper Co., Brunswick, Maine, and for eight months was working in the machine shop of the Bath Iron Works in building and erecting marine engines and Parsons marine steam turbines. This work in the Bath Iron Works shop was to get shop experience and was not with a view of making this his permanent work. The condition of business is such that the Bath Iron Works cannot offer any encouragement in that direction. On December 1 he resigned from the shop and is now looking for a job where there is a prospect of his making it his life business. Anything that you can suggest in that line would be greatly appreciated.

"I am still much interested in the Massachusetts Institute of Technology and am a member of two committees, the Advisory Committee on Naval Architecture and a General Advisory Committee on the mechanical engineering course at the Institute. These committees do not take much of my time."

Sterling T. Dow writes that he is General Manager of the York (Pa.) Utilities Co., an interurban electric railway of some fifty miles. He has a son at Harvard, and two girls, one in a preparatory school and the other in grammar school. He reports seeing Charles Drake frequently. We would like to hear from Drake.

Gifford Thompson is taking a trip around the world. Letters from him in March and April written to Barney Capen are in part as follows:

"From Bombay we took the train to Jaipur. This is the old capital of the Maharajah of Jaipur and we saw the palaces and temples. But this is a modern city compared with Ambèr, which is deserted now, and has been so for several years, centuries even, as water became scarce.

"At Delhi we saw the new Government buildings, still in process of construction, as King George, after the Durbar in 1911 declared that Delhi should be the capital. The World War then coming on in 1914 all work ceased until recently.

"At Agra, we saw the famous Taj Mahal and it was a privilege to see it by moonlight also in the evening. It is wonderful.

"At Cawnpore and Sucknow we were shown the many reminders of the Sepoy Mutiny of 1857.

"Benares is different, of course, from any other city in India and, indeed, in the World.

"Before the heat of the day our party embarked upon boats on the Ganges and floated down stream, passing the famous Ghats or steps. These are very numerous and lead down to the river in several cases directly from the Temple, where the devotees may bathe and pray. A dead body was also put upon the funeral pyre; face down and the poles and sticks ignited.

"Our party left the Broad Gauge train to continue northward by Meter-Gauge to Santahar and then Siliguri, where we changed to a two-foot gauge to go to Dayeeling, right up in the Himalayas at an altitude of about 7,000 feet.

"At Rangoon, we saw the famous Buddhist Temple called Shwè Dagon (pronounced Shway Dargon). This is very beauti-

1891 Continued

ful with its height of 370 feet covered with gold leaf. The whole structure is said to be solid and it is an object seen for miles around. The traveler must take off shoes and stockings before entering the holy enclosure; half mile on side. As I had a great desire to see the interior of the enclosure, I resolved to do as required and went around barefooted, for about a half a mile. Many of our party did not do it, but I was amply rewarded, for I got excellent photographs. At Singapore we saw the great shipping port and visited points of interest.

"At Batavia, the capital of Java and the Dutch East Indies, we saw the clean streets and the rubber trees and the process of treating the sticky juice to make it into commercial rubber. Going out to the Botanical Gardens we saw various tropical fruits and varied vegetation, including the best collection of orchids in the world."

Fred Blanchard has left Detroit and is back in Boston. We, who are located in good old New England, will all be glad to welcome him back into what he calls "God's Country." He wrote the Secretary in March and part of his welcome letter follows:

"The Lubricator Company was sold and the engineering work largely taken over by the parent company. This upset my job and for various reasons it seemed best for me to return to Boston.

"I am associated with the Rivett Lathe and Grinder Corporation in the development of some ideas in lubrication devices that have been 'in-growing' for quite a while. Not ready yet for any particular announcement, but feel very confident that I have some good devices for application in a very broad field and believe it will all work out very well.

"I often think of the good time we had three years ago at our Thirtieth Reunion, particularly the modest lunch at Hyannisport after the close of the regular festivities on Monday, the game on the Hyannisport course and the pleasant ride to Providence. Was glad we had that day with Jimmy Pierce."

F. Clouston Moore had a recent letter from H. H. Wait. The latter is Consulting Engineer in Anderson, Indiana, on steam turbine and pump work, specializing particularly on the Midwest-Wait Single Stage Steam Turbine, which he developed and many of which have been installed in recent years.

### 1893

FREDERIC H. FAY, *Secretary, 200 Devonshire St., Boston, Mass.*

GEORGE B. GLIDDEN, *Assistant Secretary, P. O. Box 1604, Boston, Mass.*

On one of his scouting trips through the West last March, Dennie, the live Executive Secretary of the Alumni Association, did a good piece of work for us. Note his letter of April 22 to the Class Secretary.

"I certainly did enjoy meeting your classmate, Joseph Y. Parce, in Denver last month, and I also had the pleasure of meeting his son who is a junior at the University there and who came to the Manual Training High School to hear me talk to the boys there regarding Technology. It was with regret that I learned that Orren Allen was up at Moffatt Tunnel during the time I was in Denver.

"Another most pleasing contact was that with John R. Brittain at Los Angeles. He is certainly a most charming man and was particularly glad to hear from you. I found that Harry R. Callender had a previous engagement and, therefore, could not attend the dinner meeting that was arranged in my honor, but when I talked with him on the 'phone, he was glad to hear from me and also through me to hear from you. I missed connections with Messrs. Garstang, Guppy and Hawes, but had a fine contact with Myron H. Hunt, undoubtedly the leading architect in southern California. I called on Willis T. Knowlton at the City Hall, but he happened to be away and did not come to the meeting, and the same was true in the case of Frank H. Merrill. I was also unable to see the three men you mentioned outside of Los Angeles, namely, Armstrong and Farwell in Pasadena, and Berry in Long Beach. I note in the letter that you sent me concerning my short trip in May that you are anxious for me to find out, if possible, from some of the '93 men in Detroit, where Herbert Armstrong is at present.

"Of course, I had a fine contact with Jonathan E. Woodbridge in San Francisco, as he is President of the local club there. He is a wonderfully pleasant and apparently an eminently successful man. He was very glad to hear from you and wanted me to convey his warmest regards to you as well as to your classmates, Fabyan, Morss, Norton and Taintor. The other San Franciscans and Mrs. Fletcher in Berkeley I was unsuccessful in reaching.

"In the case of all the people I saw, I was, of course, able to give them a good account of the almost completed dormitory of the Class of 1893."

The Secretary has received a reprint of an address made

before the Society of Automotive Engineers at Detroit in January, by James A. Emery, Vice-President of Ford, Bacon and Davis, Inc., entitled "The Field and Future of the Motor Bus." He discusses the relation of busses to railways, for routes not served by railways, as adjuncts to railways and as a substitute for unprofitable railway lines, and then states his own opinion of the breadth and future of the field — a very interesting and timely article.

At the Charter Day exercises of the University of Pittsburgh, held on February 20, Daniel D. Jackson, Professor and Head of the Department of Chemical Engineering at Columbia University, was awarded the honorary degree of Doctor of Science.

On April 1, after several years of private practice in Boston, Maurice B. Biscoe became a partner in the firm of Andrews, Jones, Biscoe and Whitmore, successors to Andrews, Rantoul and Jones, which continues the practice of architecture at 50 Congress Street, Boston.

On June 1, 1923, Carleton E. Davis severed his connection with the Philadelphia Bureau of Water, of which he had been Chief since September 15, 1912, and assumed the duties of Manager of the Indianapolis Water Company, Indianapolis, Indiana.

George Guppy's son, John W. Guppy, was one of eight graduated from the Thayer Engineering School of Dartmouth College and was awarded his degree on April 18, 1924.

Early this year, C. Royce Boss severed his connection with houses of issue in the investment banking business, and opened his own office as Investment Counsellor, Room 418, Plant Building, New London, Connecticut.

During the month of March the class lost by death two of its members.

The Bay City (Michigan) *Times Tribune* of March 6 contained the following notice of Fred Warren's death on March 6, 1924: "Fred I. Warren, second son of the late Mr. and Mrs. B. E. Warren, pioneer residents of this city, died at his home, 1929 Sixth Street, on Thursday morning after a lingering illness.

"Mr. Warren was born in Bay City in 1871, and attended the local schools, later graduating from Riverview Military Academy and Massachusetts Institute of Technology, where he was a member of Theta Delta Phi fraternity.

"For the last twenty years he has been identified with the Industrial Works in this city as designing engineer. He has been an active member of Trinity Episcopal Church, serving as a vestry man for several years, and also was a member of Bay City Lodge, No. 88, B. P. O. Elks.

"Mr. Warren is survived by his wife, Mrs. Ara Hastings Warren, and three daughters, Mrs. Joseph H. Williams, of Anderson, Indiana, Eleanor Warren, and Ara Warren, and also two brothers, Stewart B. Warren, of Au Gres, and Harry L. Warren, of Detroit."

Only recently, the Secretary received word of the death of Miss Nettie M. Willey, on March 28, 1924, after months of serious illness. The following fine tribute was written by a friend of long-standing, Matilda A. Fraser, of the Class of '99. The class is honored in having as a member a woman of whom such a tribute can be paid.

"Nettie Morton Willey would have been the last to think of herself as being an honor to the great Massachusetts Institute of Technology which she so loved, but that is what her life of quiet, efficient, faithful service made her.

"Not a graduate of the Institute, and not distinguished for particularly brilliant scholarship during the years she spent within its walls, she brought a sincerity, an integrity, a friendliness and a spirit of good cheer to her work and to the fellowship it involved, which made her significant even then.

"With her entrance upon her duties as Teacher of Sciences in the Peabody High School, her opportunities for service grew, and, during the twenty-five years through which that service continued, every opportunity was met to the best of her ability; so well met, indeed, that the Secretary of the Peabody School Board, in a recent article in a Peabody paper, wrote: 'Nettie M. Willey wielded an influence for good without parallel in the community. What she taught in class, however, was the least of her achievements. Of the thousands of young folk who came under her influence, I doubt if there was one who failed to find more beauty in the world, more joy to be derived from knowledge, than he had ever expected. Moreover, I doubt if many of these left school without a feeling that they had at least one friend who believed in them and to whom they could go to tell their troubles. Former pupils returning to Peabody after being in college or out in the world had a habit of dropping around almost the first thing for a chat with Miss Willey.'

"The writer knew, for he had been one of her pupils.

"Friendliness! How much the world needs it, and how much she gave! If she went to Wood's Hole or to the Harvard Summer School for a course (and she went many times, fitting herself better and better for her work), she brought back a friend, whom

1893 *Continued*

afterwards she never lost. What trouble she took to keep those friendships green, with visits, and little gifts that cost much thought, but chiefly with letters which must often have been written in time needed for sleep.

"If Nettie Norton Willey was faithful as teacher and friend, she was equally faithful as a daughter. Her father, a veteran of the Civil War, leaned more and more upon her as his own work fell from his weakening hands, and to him and the second mother, dear as a sister to her, Nettie Willey went each week when her school work was over.

"For twenty-five years, on every Friday or Saturday of the school year, she carried her suitcase from Peabody to Dorchester, and on Sunday afternoon carried it back to Peabody.

"With all this she had time and energy to help found the M. I. T. Women's Association, and to serve with distinguished ability as its Secretary, as a member of the Executive Committee, and in other capacities as she was called upon.

"She found time, too, incredible as it may seem, to cultivate the friendships formed back there in Walker and Rogers. About the only chance she had for making calls was on the way back and forth between Dorchester and Peabody. Some of us will never forget how she used to come, time and time again, lugging the inevitable suitcase, not counting it too heavy a price to pay for an hour's chat with an old friend. Truly, she had 'A fellowship with hearts to keep and cultivate.'"

## 1895

FRANK A. BOURNE, *Secretary, 177 State St., Boston, Mass.*

At the luncheon at the Boston City Club on February 27, 1924, the following men were present: E. A. Tucker, Rourke, Booth, Brackett, Whorf, Bourne, Hannah, Churchill, W. A. Hall, W. D. Parker, Winkley, W. S. Chase, G. A. Cutter, and A. D. Fuller.

After the lunch, Percival M. Churchill told about the Massachusetts reclamation work on which he is acting as consulting engineer. This development is as yet in its swaddling clothes but bids fair to soon become a healthy infant.

The objective of this law is to bring into productive use the half million acres of wet lands with which Massachusetts is blessed. Drainage for agricultural uses, for improvement of health, for mosquito eradication and to provide building lots for homes and manufacturing is the primary intent. We now import five sixths of what we eat in this State. But any use to which wet land may be put is also provided for.

The individual owners benefited by these projects pay the entire expense involved. The State acts as a clearing house to aid and guide the owners in solving their problems. Each project is organized as a district, a municipal corporation much like our fire and water districts. Provision is made for maintenance and for further improvements if desired after the first work is completed.

The law was passed in 1918. Little progress was made until about three years later. We have completed a project at Greenfield, where land values jumped from \$15 to \$200 per acre as a result. The partly completed project at Carver has relieved several large cranberry bogs of the surplus water that was ruining them. The Green Harbor Dike project, which was unsuccessful for fifty years, is now being revived. Several other projects scattered over the State are in various stages of progress, some for agriculture and some for health purposes. As the benefits and possibilities of this type of development become better known in this State, many of our waste and unhealthful localities will be reclaimed.

The New York Dinner at the Waldorf-Astoria, on March 7, called out, as usual, more '95 men, in proportion to number of graduates, than any other class. Booth, Canfield, Clafflin, Coddington, Fred Cutter, Drake, H. E. Davis, Donham, Hannah, Hurd, Huxley, Moore, Park, Schmitz, Swift, Swope, Thomas, Wiggin, Williams, and Wolfe with his son — twenty-one in all, were present. We filled two tables. The Boston contingent, Booth, Hurd, and Walter Williams, were an agreeable surprise and a welcome addition to the old reliable New York representation. Swope elected to sit with the class, and leave his place at the head table vacant until he had to break away to make his address.

*Barron's* for March 10, 1924, says in an article by A. St. John entitled "Men in Wall Street's Eye":

"Swope believes in getting things done. More, he insists upon their being done. But he also believes in doing them without friction.

"Let me give you in his own words what he considers the ideal for an engineer: 'If you can make contributions that will reduce human effort in production so that goods may be made at less cost, and will be available to an ever-increasing group of people, you are going to distribute to an ever-larger number of people that happiness and comfort and well-being which spells

progress to civilization, and the onward march of any community of which you happen to be a part. That is the finest contribution the engineer can make to the problems of society.'

"Thus he lifts the profession he originally chose from a mere matter of handling machinery, designing, etc., to the highest plane on which it is possible to put any profession, that of service to mankind."

Gerard Matthes was in Boston for a number of days beginning March 19. Gathered together on rather short notice, the following men took luncheon with Gerard at the City Club: Booth, Brackett, Fuller, Hannah, Tucker, and Barrows.

As this was the visitor's first appearance in Boston for about twenty-seven years, it is needless to say that he was busy every moment of the time. He is in Consulting Engineering practice in New York City, making a specialty of aerial mapping, and while in Boston gave lectures on this subject before the Faculty Club at M. I. T., the Civil Engineering and Aeronautical Societies at M. I. T., as well as before several other organizations in this city.

Just at present, Gerard is "commuting" between his home in Hollywood, near Los Angeles, and New York City.

Henry M. Crane is now Technical Assistant to the President of the General Motors Corporation. He was elected President of the Society of Automotive Engineers at the annual meeting in January.

The Annual Dinner of the Class of '95 was held at Walker Memorial on April 3, at which the following were present: Fuller, Gustavus Clapp, W. S. Williams, Hannah, Parker, Roger Williams, Winkley, E. H. Clapp, Bourne, Booth, and J. D. J. Moore.

The class was much cheered by the late arrival of John D. J. Moore, of New York, with enlightening views on the political situation.

Bowling resulted in one prize going to the Secretary of the class, as usual, and another to the next President of the Alumni Association. Team score, with W. S. Williams, Captain, was 274.

Charles F. Eveleth, Chief Engineer of Warren, Webster & Co., 17th and Federal Streets, Camden, N. J., gave a very interesting lecture on "Modulation, Vapor and Vacuum Heating" before the Massachusetts Chapter of the American Society of Heating and Ventilating Engineers at the Society's rooms in the Tremont Temple Building, on Monday, April 14. According to one of our classmates who attended, Charlie acquitted himself with honor to the Class of '95 as well as to himself and showed his thorough knowledge of the subject.

Dr. John H. Gregory, Head of the Civil Engineering Department of the Johns Hopkins University, was elected an honorary member of the Tau Beta Pi fraternity in Baltimore, on March 28.

Arthur G. Bixby sends his regards, especially to Rockwell. He has daily class meetings with Karl Harbaugh.

A. W. Stowell writes from Los Angeles: "Have had several calls from some of the '95 Tech men which have been appreciated. I trust others coming to Los Angeles at any time will make themselves known."

The following were at the Ninety-five lunch on May 19, 1924: F. A. Hannah, C. W. Berry, Walter S. Chase, H. K. Barrows, William H. Winkley, W. O. Brackett, L. K. Rourke, F. A. Bourne and A. D. Fuller.

At the meeting of the Executive Committee of the Alumni Association on April 28, 1924, Mr. Gilmore read a letter regarding the succession of Frederick A. Hannah to the position of 1895 Class Representative on the Alumni Council in place of Harold K. Barrows. Messrs. Brackett and Booth were present at the meeting and it was decided that, inasmuch as Professor Barrows had clearly been the choice of the class in this recent ballot, his name should appear as the elected member.

Mr. Barrows, however, having had, like the Senior Senator from Massachusetts, a strangle hold on the job, suddenly resigned and on May 7, 1924, Mr. Frederick A. Hannah was appointed 1895 representative on the Alumni Council.

The New York Ninety-five Luncheon Club met at the Tech Club on Wednesday, May 14, at which there were present: H. P. Coddington, Ben Dunham, Tom Wiggin, Arthur Canfield, Billy Clafflin, Frank Park, John Gardiner, Gerard Matthes, John Wolfe, Al Drake and Frank Schmitz.

## 1896

CHARLES E. LOCKE, *Secretary, M. I. T., Cambridge, Mass.*

J. ARNOLD ROCKWELL, *Assistant Secretary, 24 Garden St., Cambridge, Mass.*

A miracle has been performed by our efficient Executive Secretary, O. B. Denison, who, during the past six months, has been visiting the various alumni centers of the country. In Denver he resurrected W. F. Allen, who had been reported as deceased in 1919. Denny reports that Allen is very much

## 1896 Continued

alive and interested in Technology. His residence is 1560 Downing Avenue, Denver, Colo.

While we are on the subject of vital statistics, it is proper to report the marriage of Joe Sturtevant who had come to be considered as a confirmed bachelor. The following account of the event is taken from a Quincy paper: "Mrs. Louis Foster Jack of Locust Street, Philadelphia, announces the marriage of her sister, Louise Marston of Boston, to Joseph Lewis Sturtevant of Quincy, on Saturday, April 12. The wedding was a quiet family affair at the home of the bridegroom's father, Thomas L. Sturtevant, 236 Adams Street, Quincy. Following the ceremony a reception and wedding breakfast was attended by near relatives at the residence of the bridegroom's brother-in-law and sister, Mr. and Mrs. Harry W. Weeks of Edgell Road, Framingham Centre. Mr. Sturtevant is a well-known yachtsman, and at one time was owner of the schooner yacht Redskin. More recently he owned the Cooter I, II and III."

Coming now to births, A. D. MacLachlan announces that he became a grandfather for the first time about the first of April. His son, Dr. Kenneth MacLachlan, of the Boston City Hospital staff, was the happy father. Mac's four children are now grown up, the eldest son, A. D., Jr., being with the Boston Woven Hose Company, the next son being Dr. Kenneth, and the youngest sons, the twins, Walter and Wallace, having taken over their father's store on Boylston Street. Mac himself has not been in the best of health for some months past, having suffered from a series of ill turns. Nevertheless, when the Secretary called upon him a short time ago, he found Mac to be the same cheerful philosophical chap that he has always been.

The Secretary also made it a point to call upon Harry Brown in Winchester. Harry suffered an ill turn, in January, which took the form of a sudden attack in his office and resulted in a long period of convalescence during the first two or three weeks of which he was confined to his bed. His recovery has been slow but apparently sure and as far as the Secretary could judge when he called, Harry was absolutely normal but he himself said that he has to be careful not to overdo and that as long as he takes good care of himself he feels all right and was looking forward to getting out for a game of golf when the weather became a little warmer. He is, of course, prohibited from the household pastimes of lugging out ashes, beating carpets, washing windows, mowing the lawn, etc., but is doing his best to bear up under this prohibition. At last accounts he had not felt that he was well enough to go back to work again. His daughter, Elizabeth, is getting to be a young lady and is due to enter Wellesley College this fall.

Professor Lenny Dickinson took advantage of his spring vacation to escape from the cold of Burlington, Vt., and make a trip to New York City. He was so overcome by the gaiety of the Great White Way that he had to come over to quiet Boston for a rest and to get his nerves back to normal. He reported that Professor F. D. Clark, who was with him at the University of Vermont, has now gone to the University of Akron, at Akron, Ohio. It might be added that Lenny left his wife at home, when he journeyed to New York, which may account somewhat for the frazzled condition of his nerves when he struck Boston and which required three days' recuperation in Boston before he felt that it was safe for him to return to Burlington.

Henry Docker Jackson happened to drop into the Secretary's office at the same time that Dickinson was making his call. Jackson reports that he has given up the steam trap business and has resumed his consulting engineer practice from his home, 698 Beacon Street, Newton Centre. As an avocation, he is assisting J. P. Munroe in looking up old names and tablets that were formerly associated with Technology before it crossed the river, the idea being that some of these may be restored in our new laboratories. Jackson is particularly keen on trying to locate what he describes as a red-covered pamphlet containing views of the Institute and its laboratories. This pamphlet was gotten out so he says by a student or young instructor at the time that we were students. The Secretary has to confess frankly that he has no recollection of ever having seen such a book, but Jackson is firm in his belief that such a book was printed and that he may have possessed one at some time or other. If any classmate remembers such a book and can give Jackson any clue as to where a copy may be obtained he will earn Jackson's everlasting gratitude by communicating with him immediately.

Speaking of books, the appeal for a '96 Technique for Charlie Hyde, to replace the copy which he lost in the Berkeley fire, met with a prompt response. H. K. Jones of Pittsburgh wrote the Secretary that he happened to have two copies and would be very glad to transmit one to Hyde.

Dr. J. A. Rockwell has received new honors by his election to the Presidency of the Massachusetts Homeopathic Medical Society for the present year. Rockwell is particularly busy just at this time in his capacity as Chairman of the Alumni Advisory

Council on Athletics in that he has to attend the various athletic meets and also attend meetings and make speeches awarding various athletic prizes.

Hultman continues to have his name before the public and it would seem as if the reporters look upon him as material for stock news. As Commissioner on the Necessaries of Life for Massachusetts, he has been holding on to the job by the skin of his teeth for the past few years and every year when the time comes for his re-election the legislature puts it off until the night before. This year he had a narrower escape than ever before and it was necessary to re-convene the Senate after it had once adjourned in order to put through the bill continuing him in office for another year. His unselfish work has met with a lot of opposition which has extended to members of the legislature which makes a hard fight for him. This year, opposition came from Homer Loring of the State Efficiency Bureau, who maintained that a special commissioner was unnecessary and the work should be done by one of the regular state bureaus. Hultman's latest report has been on the gasoline investigation. He found that there was considerable variation in gasoline prices in Massachusetts and also a lot of concessions were made to favor dealers. His final conclusion was that there were indications of a nigger in the gasoline wood pile but Gene had not been able to put his finger on him. Hultman also had a narrow escape from a personal loss from a forest and brush fire in Duxbury on April 16, near Duck Hill, where his summer home, an old colonial house, is located. This fire burned over one hundred acres, but fortunately a change of wind saved his place.

On Saturday, April 26, John Rockwell dropped into the Secretary's office with Ben Hurd in tow. Ben had come to Boston to attend a wedding that day. Some gray hair and added weight are the only visible changes in Ben. He possesses the same old smile, carriage and energy. He reports that he retired from active interest in manufacturing three years ago, and lives in Nutley, N. J., during winters and in Nonquit, Mass., during summers. With some spare time on his hands he has found an outlet for his energy by interesting himself in the civic affairs (not politics) of Nutley, which is a city of 12,000 people, largely New York commuters. Ben found that the average citizen in Nutley is too busy with his New York affairs to take part or interest in his home city, with the result that city administration had drifted along without definite policies and affairs had reached an unsatisfactory state. His official position is a member of the Board of Education, but unofficially he gives much time and thought to the solution of many of the city's problems. For example, he found a high tax rate and on making a financial analysis he discovered that forty-four per cent of the annual income was devoted to sinking fund requirements on indebtedness incurred for improvements during a comparatively recent period. Some of this bonded indebtedness was entirely unwarranted. Obviously the city had been living too fast and had not followed a "Pay as you go policy." Educational frills were costing a lot of money. The solution, of course, is retrenchment, but Ben is finding it easier to preach this policy than to get the city to practice it. He has done much in reorganization and retrenchment, but admits that he has some problems for which he has not found the answer. The social and intellectual life in Nutley is on a high plane. A speaking club, a history club, and a glee club are in very flourishing condition and there is a good-sized artists' colony. Naturally, Ben is a strong supporter of school athletics and the city has some strong, winning teams.

Through the efforts of Walter Leland in San Francisco, another long lost '96 man has been discovered. Vance C. Osmont had long been reported missing and some of his classmates had felt sure that he was dead. Through a clue furnished by Northup, who stated that Osmont's parents and family were San Francisco people, Leland was able to put his finger on the man. Osmont is living at 179 Santa Rosa Street, Oakland, California, and has his place of business at 723 American National Bank Building, San Francisco.

Gene Laws writes that he has made a big jump across the country and is now located as Secretary-Treasurer of the Pennsylvania Smelting Company of Pittsburgh. His address is P. O. Box 265, Carnegie, Pa. Laws was in charge of the lead smelter at Salida, Colorado, for several years and more recently he handled the Northport smelter in the State of Washington, and was doing engineering work in the Cœur d'Alene district of Idaho.

An important last minute item is that Frank Hersey became the father of a young son on May 29, this indicating that Frank is still going strong.

William E. Field has been transferred to South Boston, where he is Superintendent of the First Corps Area and where he will gladly welcome any '96 man and show him some of the interesting things that the Government is doing. One of his

## 1896 Continued

recent jobs was the moving of one of the big guns which was shipped to Boston on especially constructed freight cars and which Field had to move to its final position.

Professor J. Gurney Callan, of the Harvard Graduate School of Business Administration, addressed the professional society of the students taking Engineering Administration at Technology in Course XV at their annual banquet at the Hotel Westminster in Boston on May 7. Gurney has made a special study of business, so is fully qualified to give a valuable talk to young men.

Leland writes from San Francisco that he has been on the trail of Ernest Mead who resides in Sausalito, but so far Mead has succeeded in dodging him. Recently, Leland and other members of the Tech bunch of San Francisco, including wives, daughters and sweethearts, made a pleasant excursion to Carmel-by-the-Sea to visit Professor Burton, who is retired from teaching, but by no means retired from active work. The trip included a picnic at Point Lobos and a unique theatre party at Carmel, and covered two days, Saturday and Sunday.

Jacobs made his annual spring pilgrimage to Boston after Dickinson had returned to Burlington, and assured him that traveling was safe, but Jacobs did not have the nerve to follow in Dickinson's footsteps and therefore went only as far as Providence before turning back and did not undertake to include New York in his itinerary.

Walter James announces that the second volume of Power Plant Engineering, by Professors James and Dole of Technology, will soon appear in print under the auspices of John Wiley and Sons. This second volume will be in two parts, Part I describing the construction of all parts of reciprocating engines, and Part II treating various auxiliaries, such as feed-water heaters, condensers, etc. The aim of the authors is to give principles and methods rather than to describe a number of different machines.

At the Fifty-seventh Annual Convention of the American Institute of Architects at Washington in May, W. B. Faville in his executive report as President, criticised strongly the Brown plan for reorganization of the executive branch of the government in its relation to architecture and also expressed himself as feeling that the problem of city planning is one of the most important architectural problems and today presents a real challenge to the architects and to the art of architecture. These problems arise from the rapid acceleration of urban growth which is now proceeding at a rate never before known.

The Secretary regrets to report that questionnaires still remain to be filled out by a considerable number of former students of '96, and that the receipt of such questionnaires by the Secretary has practically ceased, so that it will need another stirring up to cause the flow to start again.

Mark Allen, along with McGonigle and Cook, arranged for a special gathering of '96 men in Detroit at the meeting of the Tech Clubs Associated, May 19 to 21. This was announced in the '96 Class News of the last Review. The following account has been received from Allen:

"Received fifteen postals from '96 men stating that they would be present. Only seven showed up, but what we lacked in numbers was made up in enthusiasm. Those present were: R. D. Flood, Chicago, Ill.; H. H. Tozier, Rochester, N. Y.; R. H. Whiting, Seattle, Wash.; J. Lloyd Wayne, Indianapolis, Ind.; E. A. McGonigle, Detroit, Mich.; F. R. Cook, Pontiac, Mich.; and myself. Small as it was in numbers, it was large in weight, and we carried off the banner by having the largest class representation. We beat the next class by having two more present. All were kept busy and had a good time. The regular program was run off. Monday: registration and visit about the various plants, with a smoker in the evening. Tuesday: visited Ford's River Rouge plant and Edison Development Power plant. Tuesday evening: assisted by Bob Flood and his wife, Mrs. Allen and myself had the pleasure of entertaining Dr. Stratton at my home. He was very much interested in reviewing a new process of plastering that I have been working on for the past six years, one that is going to make you all sit up and take notice when it comes out (ask Professor Fales about it). Wednesday: boat ride on the river from 9:30 to 4:30. This was a great treat, as it enabled us seven men to get together and have one fine, glorious review of old days at Tech. Wednesday evening we closed with a banquet, with all '96 men sitting together. We gave our class yell, and raised h—l in general, kept up the old '96 reputation of being the toughest class that ever attended Tech. All wanted to be remembered and sent their best regards."

## 1897

JOHN A. COLLINS, JR., Secretary, 20 Quincy St., Lawrence, Mass.  
CHARLES W. BRADLEE, Acting Secretary, 53 State St.,  
Boston, Mass.

Arthur T. Hopkins reports a very good dinner at the New York Tech meeting. Proctor L. Dougherty, James T. Baker,

Oswald C. Hering, George R. Wadley and Arthur T. Hopkins were present. They sat with some old friends of '96, and had a very interesting evening. Everything was managed in good style — good dinner, good snappy speeches, and wonderful violin selections by Miss Cecilia Hansen. Before the dinner was over, they had telegrams with radio from London and Manchester, England, so that the whole affair was a big success. The boys sent their particular regards to your Secretary, and Harry Worcester and the other friends.

I mention with deep regret the passing on March 4, 1924, of our classmate, Otto S. Pike. He served as draftsman, designer, and engineer on the development of pneumatic dispatch tubes and compressed air munition hoists for ten years with the American Pneumatic Service Company when he became a victim of arthritis which finally limited his activities, and made of him a courageous and patient sufferer for many years. He is survived by his wife who was Millie T. Killam, and his son, Otto S. Pike, Jr. The burial was at Brentwood, N. H.

In the *Malden Evening News* for April 5, 1924, was a front-page notice of the election of Edwin P. Bliss as a lay delegate from the New England Methodist Conference at Springfield, being the third highest in a field of nearly a dozen candidates. Mr. Bliss is a former member of the Malden City Council.

Notice is received of the death on March 16, 1924, of Harold T. Mulhall, VI.

All '97 men will be grieved to learn of the sudden death of Francis H. Watts, I, on April 14, 1924, at his home in Cleveland. Mr. Watts was forty-eight years of age, and held the position of Assistant Chief Engineer, Department of Maintenance of Way, Pennsylvania Railroad, with headquarters at Pittsburgh. Following his graduation, he was assistant instructor at the Institute for three years. Leaving Tech, he began work with the Pennsylvania Railroad as draughtsman, and during twenty years worked himself upward to the position that he held at the time of his death. He was married to Ethel H. Burnet of Natick, who with two young daughters, Harriet Lucy and Margaret Wakefield, survive him. His burial was in Newtonville, Mass.

## 1899

W. MALCOLM CORSE, Secretary, 1901 Wyoming Ave.,  
Washington, D. C.

BENJAMIN S. HINCKLEY, Assistant Secretary, 112 Water St.,  
Boston, Mass.

The Secretary has received word from Roland W. Stebbins, that he has sold his farm at Williamstown and is sailing for France, where he expects to go into business in Paris. Mr. Stebbins writes this from Crescent Hill, Springfield, Mass.

Alexander R. Holliday, 825 Lemcke Bldg., Indianapolis, Indiana, is President of an association selling homes in Riverwood, an hour's ride from Indianapolis. Riverwood is an up-to-date suburb planned for business and professional men who must be near their work, but who want for their families fresh country air, summer resort joys, benefits and beauties. The addition is only about a year old, but already has beautiful drives, swimming, canoeing, beautiful homes with trees on every lot, tennis courts, fishing — not to speak of electricity, fresh vegetables, and chicken dinners.

Word has been received of the marriage of Norman Emery Seavey on Monday, March 17, 1924, to Miss Minnette Belle Butler. Miss Butler has recently been associated with the U. S. Veteran's Hospital at New York City. The wedding took place in Washington, Reverend Walter Morgan, Pastor of Mt. Pleasant Congregational Church, officiating. No announcement cards.

The Class of '99 offers congratulations and best wishes, and hopes to meet the bride at the Twenty-fifth Reunion.

J. H. Adams has won the court-house competition for the Providence County Court House, which is a state and county job of between two and three million dollars. Good word! Congratulations to Adams!

The Secretary understands that McCray has purchased a home on the shores of Chesapeake Bay, and has gone in for the raising of blooded stock.

B. R. Rickards, Director of the Division of Public Health Education, Albany, New York, writes with reference to the reunion:

"I am somewhat disappointed to find that the dates set are for the middle of June, as this makes it look very dubious regarding my own attendance. For the last five years I have been in charge of our Department Convention at Saratoga Springs the last week in June. As this work includes the arrangement of the program, the securing of speakers and all local arrangements for meeting places, entertainment, etc., June is an extremely busy month for me. Last year I gave up a trip to Atlanta, Georgia, and this year one to Denver as a delegate of the Albany Kiwanis Club to the International Convention because of the proximity of the dates to the dates of our own

1899 Continued

convention. However, if it is possible for me to get away, I shall try to get there if only for a short time.

"The Technology Club of Eastern New York has recently shown signs of coming to life again, or rather of its becoming more than just a General Electric affair. At Professor Coolidge's request I have recently become a member of their Scholarship Committee."

The Secretary of the Class of '99 has accepted an invitation from the Institute of Metals of Great Britain to deliver the Third Annual Autumn Lecture before that body in London on September 8. This lecture is of a popular nature. The subject has not yet been decided upon definitely, but the talk will include a description of some recent American metallurgical advances, and pictures of various plants showing mass production will be used.

Twenty-seven cups and plates won in flat and steeplechase races were stolen on April 18 from the home of Mr. and Mrs. James G. Leiper, of Chestnut Hill, Philadelphia. Mr. Leiper is a well-known horseman, and most of these trophies had been won by his own horses.

Mr. and Mrs. Leiper are socially prominent in Philadelphia. Mr. Leiper is a member of many prominent clubs.

The class has issued a snappy "Reunion Extra." Returns so far would indicate that there will be a good attendance at the Twenty-fifth Reunion at Martha's Vineyard in June.

#### 1900

GEORGE E. RUSSELL, *Secretary, Room 1-272, M. I. T., Cambridge, Mass.*

"Pride goeth before a fall," and yours truly has had an awful tumble. Briefly, the story is this:

It seems that there has always been a noticeable absence in this column of news from the class women, and it occurred to your scribe that a few letters from some of our feminine members would be of real interest, and help carry us back in memory to the old days. To think was to act, and the next mail out carried personal appeals to ten of our co-eds phrased in the writer's best English. Then followed a period of anxious waiting for the day to come when he could decently expect to receive the first reply. The day came but the reply did not. That was weeks ago. Today the postman broke the spell with a letter from (Mrs.) Margaret J. Stannard, who reports herself as Director of the Garland School of Homemaking at 2 Chestnut Street, Boston.

"It is always a pleasure and somewhat of a surprise to me," she writes, "to be included so cordially in the class, since I was only a very special Special. I am glad and proud, however, to be considered a member."

"Since 1902 I have devoted myself chiefly to Education for Homemaking, or, in technological language, Education for Human Engineering.

"The idea is that a study of the laws of human growth and development is necessary to preserve and increase the working power of new human machines,—to an intelligent survey and wise use of growing mental abilities, and to the development of that mysterious electric force, the human spirit.

"In brief, that parents who are chiefly responsible for what children learn to feel and think and do, need training for this responsibility. This idea is demonstrated in a small way in a school for young women on Beacon Hill. It would be a very suitable engineering course for both men and women in an Institute of Technology."

This one letter has saved the Secretary from entire defeat. If Mrs. Stannard is proud to be one of us, we certainly are proud of her class spirit and her success in her chosen field. Perhaps some of the rest of the women will note this and take heed. We certainly hope so, but no longer will the Secretary sit and watch the mails.

Among the fine letters that have come in this month from the men is one from Charlie Smith whom all the Civils will remember. His letterhead conveys the information that C. E. Smith & Company are consulting engineers with offices in St. Louis. Most of us will recall the fact that he was for a period associated with the Missouri Pacific Railroad System as Chief Engineer and his account of the happenings since 1900 well merits the inclusion of his letter.

"As others seem to have the courage to venture into the light I am jumping in too. Nineteen hundred may be called a 'century class.' Century plants are supposed to bloom every hundred years, but apparently we are beginning to bloom on approaching twenty-five.

"For some unaccountable reason the Class of 1900, with which I spent only the last year, has always had a greater hold on me than '99 with which I spent three years. Possibly 1900 men will remember me as well as I remember them.

"Recent references in the Class News to Thurber and Cooke, remind me of Thanksgiving week in 1903 spent at the Navy

Yard in Brooklyn, N. Y., taking an examination for appointment to the Civil Engineer Corps, U. S. Navy. Of fourteen candidates only three were Tech men—Thurber, Cooke, and yours truly—all of 1900. We received the three highest grades; only one other passed. The writer would probably have been appointed had it not been for medical objections to his teeth, which objections fortunately were not so strong as to prevent him from being appointed Major, Construction Division, in the recent War.

"After leaving Tech some years were consumed in finding a community so disreputable as to permit me to light. New Haven, Washington, Cleveland, Scranton, and Washington again, followed in quick succession until St. Louis and I found each other in 1907, since which time I have been here. From 1907 to 1913, I was Bridge Engineer, and from 1913 to 1915, Chief Engineer of the Missouri Pacific Railroad System in charge of construction and maintenance on 7200 miles of railroad. During that period I maintained and built bridges over all the rivers between the Mississippi and the Rocky Mountains, and did my best to keep trains on the track without spending any money therefor.

"In 1915 I had a vision that if I worked half as hard for myself as I had for the railroads, I would make twice as much money and be better satisfied. Consequently, I have been in private practice since 1915, conducting what I would characterize as a 'department store of engineering.' We have not specialized on any particular line, but have worked in a very broad field, including sewers, water works, drainage, paving, railroads, bridges, river control, industrial plants, appraisals, public utility rates, and a host of other details. During the entire nine years we have been in business the writer has been Consulting Engineer for the City of St. Louis, handling the City's relations with its public utilities. For that, he has been fervently damned both by the public and by the utility companies, which has confirmed him in the belief that his course of action has been about right most of the time.

"I had a cheerful awakening as to Tech Alumni affairs a few weeks ago when the Executive Secretary, Denison, was here. Over fifty St. Louis Alumni attended the dinner. I was amazed to learn that there are over 100 Tech Alumni here, and also of the diversity of industry with which they are connected. Needless to say Denison put on as fine a cabaret show as could be put on anywhere.

"Have been entirely too busy for family affairs until within the last few years, but am now dividing my interest between business and a daughter two and a half years old, and a boy eight months."

Some of the men are hard to smoke out, due, no doubt, to a natural modesty and a desire to avoid publicity. Zeigler is one of these. To persistent appeal he turned a deaf ear until the Secretary despaired of ever receiving a return on his investment in perfectly good paper and stamps. Then Percy fooled him by sending him a copy of the Wright-Zeigler Company's monthly periodical which contained the news that Zeigler had succeeded Mr. Wright as President and Treasurer of the Company. The firm's business is largely dairy equipment and farm building fittings. From small beginnings in 1864 the company has grown to be one of the foremost in the country in this particular line of business. This condition is due in no small part to Zeigler's untiring activity and we take unusual pleasure in extending to him our hearty congratulations.

Morgan Barney kindly found time to leave his yachts and set the Secretary right concerning the future possibilities in Naval Architecture as a profession. Judging from his letter, he isn't over-sanguine in his expectations, but if the tone of Barney's remarks about his own doings is not wholly misleading, it is a sure bet that M. B. has found success and happiness in his life work.

"If you must mention me in the Class News, just say I am busier looking after a small son and daughter than I am with Naval Architecture and I find it a more amusing and interesting occupation."

Ed Brigham has been laid up for repairs since the first of the year. It seems that Ed never knew when to quit and so Dame Nature tapped him on the shoulder last January, and told him to lay off. A heavy cold soon developed into colitis and for a little while Ed didn't care whether the New England Confectionery Company made any more Necco Sweets or not. Good care and rest have put him on his feet once again, and it won't be long before he will be trying to break another production record. We are sincerely sorry for him but glad to know that he is out of the woods now.

They say it is hard to get water out of a stone, but it's an engineering cinch when compared to getting a letter out of Bill Angus. We started out with a public appeal in *The Review*, and followed it with a personal letter which plainly stated that we considered a letter from him good for a headliner. When

## 1900 Continued

this failed of results, we appealed to Cliff Leonard for help, and Cliff wrote Bill to come across. In fact, he wrote him twice with a net result of nothing. Bill must sure be busy, but just to pay him for his silence, we print the following lines from Cliff to Bill.

"George Russell has written me asking that I get in touch with you and see if you will not drop him a line, briefly telling him something that might be of interest about yourself to all of your good friends in 1900 that read *The Technology Review*.

"I am quite certain that if you could send him a kodak picture of yourself, that somewhat represented your cubic contents, it would be of more than usual interest to the class.

"Do you realize that next year will be our Twenty-fifth Anniversary, and I think it would give us a lot of fun to plan to attend the class reunion next year? We could undoubtedly line up Tommy Nesmith and other old burglars about your size, and arrange to let you roll in the sand with him and others, even if it was necessary for some of us to get you some little pails and shovels in case you think you are not as young as you used to be."

Perhaps with the publication of Cliff's letter, Bill will conclude to come forward and no longer attempt to simulate the shrinking violet.

As for Leonard himself, he no sooner read in these columns that word from him was wanted, than he sent the following:

"I notice your mention of wanting to hear from me, in the February number of *The Review*, and think that your fiery appeal to the class as a whole should have results.

"As for myself, I am just back from a three-month cruise in the West Indies, the Windward Islands, Venezuela, etc., and find it a little bit difficult to enjoy working again.

"As to our Twenty-fifth Anniversary next year, would like to coöperate with you and see if we can't have a real jolly reunion with all of the 'Corn Huskers' attending.

"I am in Boston occasionally and as yet have not had, or taken, the time to see the new buildings. This is a confession that only a hard working Westerner would dare make. However, on my next trip to Boston I am going to make it a point to drop around and see you, and I hope that I will find you in town."

When the above letter came to the Secretary, it was early in April, and to the proverbially tired school teacher, the mere mention of West Indies, Windward Islands, etc., was nearly enough to cause the wells of envy to rise and overflow. Leonard has done well and is another 1900 man who chased success into a corner. 'Tis too bad that the Secretary cannot give a list of all Leonard's activities, but such a list would be deleted by the editor on account of much needed space. It is said, however, that when it comes to smelling out a rich oil field and making it gush, Cliff has Doheny looking like a piker. When his promised visit comes off, we will extract a few interesting facts from him for the enlightenment of his many friends.

Every month's news brings forward more forcibly than ever the fact that our men are in the front ranks of industry, engineering and finance. In the February number of *Mining and Metallurgy* there appeared the following:

"Henry C. Morris has lately resigned as chief of the Petroleum Division of the Bureau of Foreign and Domestic Commerce at Washington, where he served for two years in charge of petroleum for Secretary Hoover. Mr. Morris is President of an oil and gas company with production in West Virginia, and left the Bureau in order to give more attention to his personal affairs. He has been appointed as consultant on petroleum matters for the Bureau of Foreign and Domestic Commerce."

Such evidence as the above statement proves the Class of 1900 to owning men of prominence; but just to show that it is only one of many cases, the following clippings from daily papers are added:

From the Rochester (N. Y.) *Democrat and Chronicle*, for April 7:

"Los Angeles, April 6—George Burdett Ford, who is to preside over the Sixteenth National Conference on City Planning which will begin its sessions here tomorrow, is one of the leading city planners of the United States. With the very best of training, received at Harvard, the Massachusetts Institute of Technology, and the Ecole des Beaux Arts, Paris, he began a professional career as architect in Boston in 1901. Five years later he was called into partnership with one of the leading architectural firms in New York.

"Mr. Ford's specialty being those phases of construction of edifices which relate to environment and setting, he naturally came to be a consultant on questions of urban improvement, and the planning of civic centers; and in this capacity he has served many of the towns and cities of the country and shaped some of the largest reconstructions of community life yet undertaken in the United States. Following the war he went to Europe for the Red Cross to direct the reconstruction of communities in Belgium and France."

From the Keene (N. H.) *Sentinel* under date of March 29: "Carleton Ellis, a former Keene resident and son of Mrs. Marcus Ellis of 195 Winchester Street, is a well-known chemist and is termed by many as a man of 'inventive ingenuity in applied chemistry.' He is identified with the tube-and-tank process of making gasoline the patent policy of the Standard Oil Company of New York. Mr. Ellis is the author of many books dealing with chemistry. His laboratory is in Montclair, N. J., where he has completed a number of important researches.

"Mr. Ellis is a graduate of Keene High School and received his degree from the Massachusetts Institute of Technology in 1900. He was a member of the instructing staff of the Chemical Department at M. I. T. for two years after graduation. Mr. Ellis specialized in oils and varnishes and one of his first enterprises was to manufacture a paint and varnish remover. Mr. Ellis secured a patent on his discovery after experiencing much litigation. The Franklin Institute awarded him the Edward Longstreth medal for his invention in paint removers.

"Mr. Ellis early began the study of cracking oils and constructed many types of apparatus to carry out his research. The work of cracking of oil to make gasoline was carried out under the auspices of the Ellis-Foster Company, of which concern Mr. Ellis has been President since 1907. The development of this research is now known as the tube-and-tank process of the Standard Oil Company of New York. The utilization of still gases produced in great volume by cracking oils for making gasoline has resulted in the development of isopropyl alcohol or petrohol. This product has found many uses. Mr. Ellis is a great believer in the future of petroleum as a raw material in the derivation of chemical products. He is now preparing a book on the subject of 'Chemical Derivatives of Petroleum.'

"Mr. Ellis is known from his work in the hydrogenation of vegetable oils and especially what is known as the 'wet' process of making nickel catalyzer employed in the operation. This process is used in oil hardening plants. A large number of concerns have taken out licenses under his patents.

"Mr. Ellis is the author of 'Hydrogenation of Oils, Catalysis, and the Generation of Hydrogen and Oxygen,' and 'Synthetic Resins and Their Plastics.'

To read the letters and news items regarding the doings of the fellows is pay enough for the work which the preparation of this column requires. If its readers would get the maximum kick out of its news, let them get down from the attic that ancient volume of *Technique*, or, better still, the class album, and turn to the photo of each fellow as they read the news concerning him. Your Secretary tried this and he found himself getting back into the spirit of the old days to an extent which had hardly seemed possible. Try it and then sit down and send in a little note telling as the radio announcer says, "how you enjoyed it," and perhaps your letter will put a little ginger into this end of the works, for it sometimes seems a mighty one-sided job to put this stuff out each month and never know how it strikes. Don't forget the slogan, "Rite to Russell."

## 1901

ALLAN WINTER ROWE, *Secretary*, 295 Commonwealth Ave., Boston, Mass.

V. F. HOLMES, *Assistant Secretary*, 131 State St., Boston, Mass.

On the evening of May 15 the Class of 1901 held an annual dinner. The genial President, Mr. Frederick Boyd, was in the chair. Ably supporting Mr. Boyd, who on this occasion found it unnecessary, were, George Allen, Jack Scully, Frank Holmes, Ted Brigham, Ned Seaver, and your Secretary. In addition, George Hall, whom most of us had not seen for many years, lent a touch of gentle dignity to the gathering which was very welcome.

The first part of the evening was spent in destroying the reputation of those members of the class who were not there. Feeling that this, however, was so simple a task as to be unworthy of our efforts, we turned to more constructive labors. Several matters were canvassed; among others an immediate reunion which was relinquished as impracticable and a reunion next year which met with far greater response. The concensus of opinion was that the faithful few form a committee and that this committee throwing aside their devotion to the purely avocational pursuits whereby they support themselves and their families, devote the next twelve months to drawing up plans and making arrangements for a real honest-to-god reunion, which should be a fitting prelude to a proposed all-Tech gathering. There will be more of this anon.

Suggestions were made that possibly we might unite with some other class and hold a joint reunion, but of the two contiguous classes it was felt that Inky Bowditch might have other plans for his own amusement on the date which we selected, while the Class of 1902 has always been both self-centered and riotous. Any of you who know Fred Hunter in his more mature

## 1901 Continued

years will not question the accuracy of this statement. What is proposed is to make arrangements at some suitable country club or hostelry—I hope the more erudite members of the class will note pleasantly the Elizabethan touch—and arrange a flat rate for what is uneuphoniously known as board and lodging. Other expenses for golf, tennis, fishing, and the like, will be incurred according to the taste and fancy of each individual prodigal. There is no question that the celebrants of the Twentieth Reunion can be counted on for a 100% response. We should like to increase this number materially.

Ellis Lawrence is to be in the East during the early summer, and I enclose his addresses for the benefit of those who may be in his neighborhood. During the first two weeks—in June he can be reached c/o Lyman B. Chipman, Congress Street, Portland, Maine. Ellis is on to attend a series of conventions dealing with the pleasing pastime called architecture, as well as to divert himself in various and sundry ways. His headquarters are still in Portland, Oregon, where in partnership with Billy Holford, he is making the oasis of the far northwest an architectural desert.

A clipping from the *Washington Star* has recently reached me concerning a meeting held by the Washington Society of which McDaniel, '01, is President. As the paper of the evening was a technical one, I refrain from touching on the details in kindly recognition of the illiterate character of my clientele.

Reverting for a moment to the class dinner, it is with great pleasure that I record for the benefit of the class a rising vote of confidence offered to our retiring—this does not refer to his personality—incoming President, Mr. Frederick R. C. Boyd. Confidence was unanimously expressed in Mr. Boyd and he was complimented upon the statecraft and diplomatic skill with which he had steered and would continue to steer the destinies of the class through the precarious vicissitudes of its existence. With tears in his eyes, Mr. Boyd acknowledged this graceful tribute in his usual gracious manner.

Several familiar faces were missing among the group. Among these was Bob Williams, who has been invited by the City of Pittsburgh to establish a system of submarine signals for communication on the streets of that umbrous municipality.

Perk Parrock, old faithful, was spouting every thirty minutes somewhere in the Middle West, that debatable land from whence he came and to which apparently he so frequently gladly returns. At the same time, Perk is settling down here in Boston with a certain degree of resignation and is making a very definite success of his professional work.

Freddy Clapp was recently heard from, also. At the present time he is in Australia, but not in the same part of that island continent as at the last time of hearing. In these days, the life of an oil expert appeals to a stay-at-home like myself as one giddy round of pleasure.

Rollie Symonds sent in word that he had to be in Holyoke on the fifteenth. One cannot understand his failure to use so good an excuse. There must be more in this than meets the eye.

Teddy Taft also was unavoidably prevented from attending. He sent greetings, however.

Nat Patch was expected but at the last moment wired that he would not make it. Nat came through Boston a few days ago and while I did not see him to my regret, I learned from authoritative sources that he has stopped growing upward, and is now growing outward. With the sound foundation of his seventy-eight inches of vertical expansion, there would seem to be every prospect that in time he may be able to use at least two seats at any festal board which he graces with his presence.

Al Arnold tersely replied that he would not be present, which is foreign to Al's usual genial method of expression. I hope, however, that it is merely the reflex of absorption in vast business enterprises which I am quite sure must be the case.

For some time now, there will be a surcease of trouble from the writer as The Review takes a long breath through the summer and does not resume business again until fall.

Your Secretary takes this occasion to express to all members of the class best wishes for a pleasant summer.

## 1902

FREDERICK H. HUNTER, *Secretary*, Box 11, West Roxbury, Mass.  
BURTON G. PHILBRICK, *Assistant Secretary*, 276 Stuart St., Boston, Mass.

The exacting editor of The Review has sent around his "devil" for these notes so early that it is not possible to report the class outing nor to set forth the items of interest which your reporter will doubtless there accumulate. At the time of writing, a *Retort* is in press and this will without doubt stir up further news, but, alas, we cannot wait even for this grist for the aforesaid "devil" is chawin' hard on his wad of gum and shifting his feet impatiently as we type these lines.

Rev. Philip C. Pearson, our ministerial member, is Rector of Trinity Episcopal Church, New Castle, Pa. Phil was for

several years in charge at St. Michael's Church, Naugatuck, Conn. His classmates will wish him all success in his new field of labor.—John M. Eagan, Jr., has moved from Anderson, Indiana, to Aurora, Illinois. He is still doing contract work, paving and sewers being his specialties.—Paul Hansen is going abroad in July as a delegate from the American Society of Civil Engineers to the Engineering Congress which meets at London in July. Paul is taking his family across with the expectation of placing his son and daughter in a school in France for the year. Mrs. Hansen will remain in Europe with her son and daughter.

Charlie Brewer of Duluth was quarantined for several weeks with scarlet fever. His quarantine was released on May 9, but he was not able to attend the banquet of the Technology Club of Lake Superior on Saturday evening, the 10th, or to join in the trip to the iron range which President Gilmore and Secretary Denison of the Alumni Association made with several of the Duluth alumni. This was an especial disappointment to Brewer, as he is Vice-President of the local Technology Club. Brewer reports that Duluth men were much enlivened by Denison's visit. He saw Dennie at his office, where he called the first day that Charlie was able to return to his desk.

Manley has hung out his shingle as an Engineer for the design and construction of industrial plants and reports that he has some interesting work under way. His office address is Henry Manley, 20 East 53rd Street, New York City.

After his five years' experience as Supervising Engineer with the New York Office of Lockwood, Greene & Co., he is well qualified to handle anything in this line.

## 1903

CHESTER S. ALDRICH, *Secretary*, 10 Beaufort Road, Jamaica Plain, Mass.

GILBERT H. GLEASON, *Assistant Secretary*, 25 Huntington Ave., Boston, Mass.

We notice in a newspaper clipping that G. H. Clark, who has been in the radio business for the past twenty-one years, has been running a series of radio shows all over the country for the Radio Corporation of America. The object of these shows has been to educate the public in the many uses of radio aside from amusement, and very widespread interest has been shown.

A recent letter from J. W. Aylesworth, Philadelphia, tells of his efforts to obtain news items in his district and we heartily commend his work. He has sent letters from some of the men out there and says he has seen Frank Cox, who is now Vice-President of the Edgemore Iron Works at Wilmington, Del. This firm manufactures the "Edgemore" water tube boiler.

In a very interesting letter from H. B. Pulsifer, Department of Metallurgy, Lehigh University, Bethlehem, Pa., we learn not only that he is a worker and a philosopher, which we already knew, but also that he is evolving a book on metallography during his spare time. We wish we might be permitted to publish all he says, but must be content to say that he has built himself a new house since we last heard from him and possesses a wife who is pure gold, not to mention a family of three girls aged fourteen, eleven, and seven, and a boy two years old. A family like this is surely a priceless possession and if Pulsifer spends most of his time, like the rest of us, chasing the elusive dollar, he at least has no cause to complain. Here's success to the new book.

H. C. Crowell, writing from the Broad Street Station, Philadelphia, although somewhat reticent about details, gives us the impression that he has not been thoroughly enjoying his job of unscrambling the acts and omissions committed by our Uncle Samuel when he tried to run the "Standard Railroad of the World." However, we feel sure his experience will prove very valuable in case he lives to survive the job, as our aforesaid uncle has since been busy on a number of other matters that will probably require an expert unscrambler if the poor business man is to survive.

Ralph W. Eaton reports the arrival of his first daughter, Elizabeth, born February 8, 1924. Congratulations. Eaton is President of the Providence Engineering Society, and on February 5, he presided at their Eighth Annual Meeting when over six hundred engineers and guests sat down to a most successful entertainment and banquet. This latter bit of news was gleaned in spite of Ralph's natural or unnatural modesty which presumably caused him to withhold it, and your Secretary hereby cites him as a horrible example of the news suppressor! Still, Elizabeth may be the real excuse, considering the above dates, and we hope to see her at some of our future reunions.

Ralph Howes, who is now President of the Technology Club of New York, was a guest at the meeting of the Alumni Council on March 31, and told of the plans of the Technology club for a new club house.

G. Huntington Clapp has contributed a very interesting letter.

1903 Continued

He has been for the past three years Assistant Structural Engineer for the Harbor Department of the City of Los Angeles, California, where engineering projects of a very interesting and extensive nature are under way to the tune of fifteen million dollars. As Clapp fails to state whether or not the greater portion of this amount comes to him, we are left to draw our own conclusions, but as the substance to be handled is salt water instead of oil we will still continue to hold him in our personal esteem. He was married at Wheeling, West Virginia, in 1910 and has a daughter of eleven. Our engineers all seem to favor the fair sex. Clapp tells us that Charles E. Chase, whom he frequently hears from, is still Assistant Engineer with the West Shore Railroad.

Keep the news coming boys; don't hold back thinking you will some day set the world afire, but let us know if the baby has a tooth or if Aunt Mehitable left you ten dollars in her will last month.

### 1905

ROSWELL DAVIS, *Secretary*, 19 Thorndike St., Beverly, Mass.  
S. T. STRICKLAND, *Assistant Secretary*, 26 Pemberton Square, Boston, Mass.

Your Secretary made another district inspection in May, when he was in New York and had some very pleasant visits, though the time available was not sufficient to see half the boys on his list. Bill Motter was found at the office of the Chile Exploration Co. His smooth top and black moustache might fool some of you. He is assistant to the Vice-President in charge of production and makes periodical trips to the mine in Chile. When this is read, he will probably be on his way down again.—Ralph Whitcomb was in at J. G. White's, where he has been since graduation. He is in the Engineering Department and sticks to New York. He hasn't changed a bit.—We tried to find Ned Jewett in the Equitable Building, but his firm had moved to Dayton, Ohio, from which point a letter of ours has been returned. Can anyone tell us where Ned is?—George Rhodes is still with Ford, Bacon & Davis, doing all kinds of engineering, he says, and is away a good deal. He talked of a water power development in Arkansas, where he had recently been.—Gorham Crosby was gazing from his window in the Woolworth Building in the direction of the Patent Office, Washington. He is, of course, doing all sorts of patent law and, from the decorations covering his four walls, we should say he appeared before every court in the country.—Near the top of the Woolworth Tower, we broke in on Raymond E. Bell, Management Counsel. He was giving an interesting explanation when the editor of *System* came in to be systematized and we thought it time to move on.—Roy Allen has, temporarily, at least, forsaken his profession of mining and the joys of the wilds. He is comfortably located in the Pershing Square Building, with the Lynch Construction Co., putting up hotels and things in the city. We tried to reach others.—Files was playing golf, Robbins in China and some just out. As time was up, we had to call it off.

John Flynn favors us with a fairly complete post-graduate history from which we quote at length: "After leaving the Panama Canal in a very much unfinished state (I resigned the position of Mechanical Engineer on that job in the summer of 1911) I made up my mind that I would never again have my name on a payroll. For about a year I messed around developing and marketing rail clamps for steam shovel work, steam trips for steam shovel work and an automatic movable point frog, in all of which devices I had some ownership or other interest. I had rather good luck with the steam shovel rail clamp and only very mediocre emolument from the other devices, but did a lot of traveling around the country, which interested me greatly, as I had been away from these United States for something over six years.

"In the summer of 1912, Ed Lines, of '05, joined me in a venture which kept our noses to the grindstone until we got into the war. We formed the Lines-Flynn Company and our business consisted of repairing and rebuilding heavy construction equipment principally, such as steam shovels, locomotives, cars, pumps and other junk that railroad contractors and contractors on the New York State Barge Canal and on the Passaic Valley Sewer sent to us. We had a nice little machine shop at Woodbridge, N. J., and a two-acre yard and unlimited ambition. We did a good deal of buying and selling of machinery and maintained an office in New York City. Gradually, the buying and selling of equipment came to be the prime source of our income, and the shop a place where a good part of our earnings in the selling game was sunk. Ed Lines wandered off into other business, but I still maintain an interest in the Lines-Flynn Company, although I am no longer connected with it in any active way.

"In June, 1917, Lilian Cunningham Paul, of Harrisonburg, Virginia, joined heart and hand with me and this new partner-

ship still continues to be a 'glorious adventure.' Soon after my marriage we moved to Pittsburgh, as I had joined the Blaw-Knox Company as Manager of the Bucket Department. My work consisted of developing and marketing a line of clamshell buckets and in this work I am still most actively engaged.

"Billy Bixby (Course II and VI) joined me early in this new game of mine and is still very much with me. Billy was coaxed up here after the Nashville, Chattanooga & St. Louis Railroad was 'done to death' by the Railroad Administration. Billy is a very successful salesman and we are gradually coming to the conclusion that after a hard plugging life as an Engineer, a man reaches his heaven when he gets into sales work.

"I most certainly am going to arrange matters so that I can see some of you good fellows in Boston. I have several times of late years made 'flying trips' to Boston and indeed spent a glorious little vacation there with my 'pardner' in 1920, and incidentally and at the same time spent all of my 'fortune' and a lot that I hadn't earned, but hope to, in Marblehead and Salem, picking up gateleg tables, Hepplewhite chairs and such like treasures to furnish the house we have since built. I most certainly will remember the big reunion in 1925, and if I am within reach of Boston by railroad or aéroplane, will be with you. Incidentally, I might mention in passing I am still the same open-faced, fair-haired youth that sailed away to the Tropics in 1905. I haven't either grown up or older or very much fatter — that's my story and I am going to stick to it."

George Hool was evidently affected by our inexcusable ignorance for, upon receipt of the April Review, he sat right down and wrote the following on the stationery of the United Bond and Mortgage Co., Madison, Wis., G. A. Hool, President: "Enclosed advertisements concerning the books which I have written and edited may be of interest to you in connection with your comments in the last Technology Review. You will note that I have become bald-headed on account of more book work than you seem to give me credit for. Not that I give a 'hang' about the credit, but it is a good thing for you to have the correct 'dope.' So many '05 men have been doing such wonderful things that I hope to be considered not hopelessly out of the running." Attached was a letterhead of Hool, Johnson & Whitney, Consulting Engineers, Madison, Milwaukee, Cleveland, New York. The advertisement, which showed a five-foot shelf written by Hool and a few assistants, was checked off on 'sent on approval.' What does he mean? Anyway, we plead guilty.

There is a new member of the '05 Yacht Club, as will be gathered from the following letter from C. A. Anderson of Philadelphia: "You may be interested to learn that I have fallen this last few months for building a steam yacht, 56' x 7½', which I designed. Not finished yet, but it is going to be a good job (of course), using a boiler and engine made by Boucher, New York. Have wanted for several years to do it, but have always felt too busy." We suggest the following ticket: President, Hill; Vice-President, Prichard; Secretary-Treasurer, Anderson.

We have tried, without success, to get in touch with Len Bushnell, but Joe Daniels furnishes some stuff which we quote: "I see Leonard Bushnell very, very rarely. He has been very active in certain organizations in Seattle in the past, but I do not run across him as I used to. The telephone directory gives his address as 1957 First Avenue, S., and his business as fire extinguishers. If you will pardon the pun, I don't think he will be put out if you write him a fiery letter."

Carroll Curtis, considered a fixture in the insurance district of Boston, switched to Peak's Island, Maine, during the winter. There is no dope on why he chose a summer resort at that time of year, but he promises to be back in Boston in the near future.—Bill Guoinlock's new address, 431 East Main Street, Batavia, N. Y., recently came to hand. In response to an inquiry, his only comment was: "moved here four years ago." Bill never was what you would call garrulous.—George Jones has reorganized and is now senior member of the firm of George Bayard Jones, Marquette Bldg., Chicago. He recently tapped his cuff and his house in Evanston moved three blocks, a feat of legerdemain surpassing anything he ever did at reunions.—Arthur Abbott is district sales manager for the Automatic Electric (water) Heater Co., 38 Broad Street, Boston. He says that electric heating and cooking have come to stay.—Grove Marcy broadcast from Amrad one Saturday night in May, talking on directories (which is natural) and business conditions as seen from his office window. A valuable prize is offered for the most distant '05 radio fan sending in a complete record of the statistics he gave.—Gordon Bill, professor of mathematics at Dartmouth, is director of admission. He is working out a method, through the theory of least squares, of getting a thousand would-be freshmen into the present dining halls.—Grafton Perkins came back to Boston in May, looking fine. He is advertising manager for Lever Brothers, the soap people.

## 1905 Continued

Bruce Hill writes from 2601 Penn Avenue, Pittsburgh: "Norman Lombard and T. P. Moorehead were both in my office recently. I saw Moorehead, but missed Lombard. Both are located, as I understand, in San Francisco and close to each other. I frequently see Eugene Lombard. He is in charge of some construction work which the Crucible Steel Company is doing in the vicinity in which I am located." We are glad to locate Eugene Lombard, who dropped out of sight several years ago and even now hesitates to acknowledge he has been found.

Dr. Philip Castleman, deputy health commissioner of Boston, was struck by an automobile and died on April 11. He spent three years at Tech, two at Harvard and, later, took his M.D. at George Washington University. For several years he had been identified with the Boston Health Department. Since 1917, he had been deputy commissioner in charge of the Laboratory Division.

Arthur Dean writes from Cleveland: "After nineteen years in the automobile and allied industries, I am about to give up for all time my old love and become a chemist. That may seem a bit revolutionary, but it is not quite as serious as it seems. Am leaving my present connection on May 1 and going with The General Chemical Co., in New York. There I will have charge of the mechanical equipment of their various plants, so you see it is much more mechanical than chemical engineering."

And Charlie Dean, of Denver, says: "I have not seen or heard of any of the members of the class since the last reunion that I attended in Boston, excepting only that I spent a few hours in Chicago with George Jones about four or five months ago. George took me for a ride in his high-powered motor car on the North Shore, and we spent a very pleasant evening listening to some Metropolitan Opera Stars singing in an outdoor theatre with the thermometer standing at about thirty-two degrees."

Andrews, Ayer, Coffin, Damon, Davis, Fisher, Fuller, Gilman, Goldthwait, Green, Johnson, Keith, Killion, Lord, Marcy, McLean, Parsons, Perkins, Pirie, Shaw, Steel and Tebbets were present at the dinner at Walker Memorial on May 9. There was plenty of entertainment. Fred Pirie, Tech Show accompanist, made the piano talk. He's better than ever. Louis Killion was forced to repeat some of the character song that brought down the house at the last reunion. Fred Andrews, just up from Honduras, gave an interesting talk on revolutionary conditions in that country, that we should like to report. Fortunately, he wrote us just before his return, as follows:

"A little less than a year ago, I came down here for the second time to build an office building for the Truxillo R.R. Co., which, as you may or may not know, is an offspring of the United Fruit Co. Upon completion of this project I was foolish enough to accept a contract to build several small concrete bungalows upon being assured that all material for same was here in the port. Also, it being in the middle of the winter, the Tropics looked better than Boston's slush and snow. My optimism ran away with my reason. I did not take into consideration the fact that the Tropical air so dly distorts facts. Now I am pushing both hands and feet to overcome minor difficulties like revolutions, stolen trains and last, but not least, 'mananna.' Enough for personalities.

"There is, as you know, a slight political disturbance in the sovereign state of Honduras.

"At election, every man who wishes to vote goes to the polls and registers his vote for a president with his own name signed beneath. This enables the different candidates to keep close tabs on their constituents so that they may know who to carve and who not. The last election in September did not give a majority to any of the four candidates. Congress early in the year was supposed to rectify this dilemma. It did not do so. As a result, we are in the throes of a civil war. Martial law has been declared over the whole country and to travel from one town to another requires a passport costing as much as the Comandante figures you are good for. At Puerto Castilla we do not see any of the actual encounters, but we have had several of the Honduranian armies pass through the Port to engage the opposing forces. These armies, by the way, number anywhere from twenty-five to seventy-five men with several Generals to each army. The anti-government forces have already captured several locomotives and crews which they use until all fuel oil is exhausted and then leave on a convenient siding. In fact, one night rumor hath it that an engine and crew was taken from our own yard here in town. Our labor quarters occupied by all shades of color have been diligently searched by government forces for arms and ammunition, which are confiscated in the name of the government. We, in the white section, have heard various rumors to the effect that a search may be conducted for the same thing, so we play a game of hide and seek with our arms to save them. Just how or how long this situation will continue, is a matter of guesswork, and one guess is as good as another. We all wish that things

would settle down so that we could continue our business in a rational manner. It is laughable, but exasperating."

In this, the last bunch of class news of the year, we want to thank our correspondents for the fine letters they sent in. Their support was most gratifying and we trust that others will be equally generous next year. See you later.

## 1907

BRYANT NICHOLS, *Secretary*, 2 Rowe St., Auburndale, Mass.  
HAROLD S. WONSON, *Assistant Secretary*, W. H. McElwain Co., Manchester, N. H.

On April 2, as the result of some telephoning on the part of Sam Coupal, a little luncheon at the Boston City Club was arranged in honor of Albert E. Wiggin, who was in the vicinity of Boston for a few days. Those present were Wiggin, Coupal, Clarence Lamont Gardner, '08, and the Secretary. Wiggin was in splendid health and spirits and the picture of a successful business man. He is General Superintendent of the Great Falls, Montana plant of the Anaconda Copper Mining Company. He became the father of a third child, Albert E. Wiggin, Jr., on October 14, 1923.

Lester W. Brock has moved to Akron, Ohio, where his address is 611 Metropolitan Building.—E. L. Chaffee, Assistant Professor of Physics at Harvard University and prominent consulting engineer in wireless telephony and radio, was married on April 7, 1924, to Miss Alice Hampson, Radcliffe, 1916, having met her in a laboratory at Cambridge, where she was engaged in research work.

The following welcome letter from Parker Dodge is of a type we would be delighted to receive from many other classmates:

"Having seen a few of '07 men recently, I am stimulated to drop you a line.

"Carl Bragdon is the first victim. He and his wife were out to dinner recently, and I was shocked to see how married he is. He lets his wife finish all his stories, but I will say that she does a good job.

"It seems that Carl is a sort of part-time usher in a non-union church out in Cincinnati. One day, with the church full to the doors, Carl was wearing the white carnation, and when the time came to take the collection, he marched with the rest to the front of the church. Then a terrible thing happened. They couldn't find the plates! They routed out the front row. No luck. They crawled under the front pews. Still no luck. Then they retired to the vestibule for a council of war.

"They couldn't find the janitor, (or should I say sexton?) and the organist was still going on with the offertory, say about the third lap, so they had to compromise on hats.

"Up the aisle they marched, and then Carl forgot his drill. Instead of marching and countermarching as usual, Carl just dropped out of ranks and passed the hat. He went right at it with such success, that he cleaned up both sides of the aisle instead of one, and was through about the time the others started. One of those others had to glean where Carl had already harvested, and he found it pretty poor pickings. From what he said to Carl, I judge that his Christian spirit was stressed beyond the elastic limit.

"They turned in the hats with the offering, and Carl left early to escape the owner of the hat, as that had suffered from his unusual success, and was more or less bent. I nominate him for class treasurer.

"I see Hall occasionally, and he is as gray as I am bald. No, his hair is not quite white yet!"

"Hall is Assistant Chief Engineer of the Washington Suburban Sanitary District, and is busy putting in much needed water mains and sewers in nearby Maryland. As one who lives in this region, and remembers it as it was before the Commission took hold, I can certify that he is doing a good job.

"I picked up a choice one about Bonta recently. When he was starting for Japan, Jones, '05, offered him a letter of introduction to a certain Miss Illsley, who was then in Japan. Bonta refused it, as he was 'going there to work' As a natural result, he went letterless. He seems to be a fast worker, for we all know whom he married when he got back.

"Not long ago I dropped in on Dempwolf in his office in York, Pa. Same old Demp. Even his taste in neckties is unchanged. It made me feel old to look at such a young feller, and I was ashamed to admit to him that I had four children.

"By the way, Nichols, I recently saved you from a sad duty. You came near to having to spread, (is that the word?), some kindly ambiguous words about me on the class records. But I remembered in time that I had recently paid my dues as a life member, and it seemed wasteful to let them bump me off so soon. I explained the matter to a good surgeon, and here I am as good as, or better than, ever. They tell me I am shy several parts of my digestive tract, but I don't miss them at all, or if I do, 'parting is such sweet sorrow.'

1907 *Continued*

"This will explain to you why I have time to sit here and do this lovely typewriting for you. It will be midsummer before I really get back to my work on full time, but it is nice to know that I am going back, and to feel sure that they found the trouble and fixed it."

Remember Godfrey of Freshman football prowess? Read this from the *Boston Herald* for May 15, 1924:

"Major Stuart C. Godfrey of the first corps army area gave the members of the designers' section of the Boston Society of Civil Engineers a clear idea of the Government's Mussel Shoals project, at a meeting in Chipman hall, Tremont Temple, last night.

"Major Godfrey, formerly supply officer at Mussel Shoals, said that the Wilson dam, which will supply power for the nitrate plants, is now 70 per cent completed. It is planned to have eight units of it in operation by October, 1925. It will cost \$50,000,000.

"By selling 100,000 horse power generated by the plant connected with the dam, the nitrate works, operated by surplus power, could compete with nitrate plants already in existence, he said. Only by this method could Henry Ford or anyone else operating the works make fertilizers cheaply, it was Major Godfrey's opinion."

From the *Boston Transcript* for April 5, 1924:

"The Vale of Kashmir, Paradise of the World," is to be described in an illustrated lecture, Tuesday evening, in Library Hall, by Dr. B. C. Gupta, Professor of Electrical Engineering in the Bengal Engineering College, Calcutta University, India, and a graduate of M. I. T. Boston, with the Class of 1907. The first five years after his return to his native land, he spent in the service of the Maharajah of Kashmir in the Jhelum Power Installation, Srinagar, Kashmir. He is in the United States for a sabbatical year at his alma mater."

In *Current Affairs*, a weekly publication of the Boston Chamber of Commerce, the Secretary noticed the following item in a page of book reviews in the issue for April 28, 1924. You will recognize in the author's name, Hudson Bridge Hastings, our own Hud, now a Professor at Yale University.

"Experiences of the past few years have turned the attention of executives to business cycles. This publication ('Cost and Profits: Their Relation to Business Cycles') in the Pollak Foundation Series has disclosed a new aspect of the subject. Professor Hastings has approached the problem from the angle of a cost accountant. He attempts to measure the total value of tangible goods produced for sale in relation to the total purchasing power available. His intensive accounting analysis, illustrated by the balance sheets of actual companies, tends to show that the underlying causes of commercial crises are as follows:

"1. The fact that business concerns, as a whole, do not disburse an amount of money equal to the value of the things which they produce, in addition to all money received from outside sources.

"2. Dealers buying to keep stocks commensurate with sales, forward buying, and speculation which bring about (a) the relative overdevelopment of those industries producing tangible goods intended for the satisfaction of individual wants, and (b) an almost continuous advance in prices.

"3. The accumulation of stocks of goods held in speculation.

"4. The use of savings and profits to pay for the creation of goods, other than those used in the processes of production and distribution.

"5. The lag in the flow of interest and profits into the hands of ultimate buyers on account of the intercorporate ownership of securities."

Frank F. Hutchings' address is now 216 Mt. Pleasant Street, New Bedford, Mass.—Arthur H. Jausson, care of Marine Review, 220 Broadway, New York City.—Ralph G. Kann, 721 Cluney Building, San Francisco, California.—Warren I. Keeler, care of Valentine & Co., 364 Manhattan Avenue, Brooklyn, N. Y.—John H. Leavell, Carmel-by-the-Sea, California.—Edward G. Lee, 13 Bartlett Street, Waterville, Maine.—Dan A. Loomis, 753 Main Street, Springfield, Mass.—William H. Martin, care of Day & Zimmerman, Inc., 1600 Walnut Street, Philadelphia, Pa.—Albert F. Stevenson, 95 East Ridgewood Avenue, Ridgewood, N. J.—Herbert A. Sullwold, 107 East Third Street, St. Paul, Minnesota.

As a great surprise and shock to us all came the news of the death of Ray Parlin on March 26. The Secretary wrote letters of sympathy to his widow, who was Maude Frances Darling, '07, and to his father, whom the Secretary knows personally. The following article taken from the Fall River (Mass.) *Globe* for March 27, is of real interest:

"Raymond W. Parlin, for the last two or three years a resident of Fall River, died suddenly yesterday afternoon of cerebral hemorrhage at the home of George Darling, 59 Highland Place, at the age of thirty-eight years. He was alone at the time. Failure to respond to a telephone message from his wife led to her early return to the house and the discovery of his death.

"Mr. Parlin, who was the son of Frank E. Parlin, superintendent of schools, of Chelsea, Mass., was a man of unusual ability and an indefatigable worker. It was, in fact, his persistent application to his work that led to the first cerebral attack some two or three years ago, when he was obliged to give up work and come to the home of Mr. Darling, his father-in-law, in this city to recuperate. He had made such progress that it was felt that it was only a matter of time when he would be able to resume his profession. Among the positions which he had held latterly, were those of deputy street commissioner of New York City, assistant to the President in charge of the famous Mussel Shoals plant and a sales manager for the Mack Truck Company.

"Mr. Parlin was a graduate of the Massachusetts Institute of Technology in chemical and sanitary engineering. His early experience included designing and construction both as an engineer and superintendent of water works, sewers, sewage disposal plants, plants for disposal of industrial waste, and other miscellaneous work of a similar nature. He was the resident engineer for the Washington County Water Company of Hagerstown, Maine, designing and constructing an emergency filter plant. He then became assistant manager of the main office of the American Water Works and Guarantee Company at Pittsburgh, Pa., his duties covering the plants at Portsmouth, Va., Butler, Pa., Chattanooga, Tenn., Little Rock, Ark., Kokomo, Ind., Racine, Marinette and Merrill, Wis., Clinton and Keokuk, Iowa, Wichita, Kansas, and several other places. He became assistant chief engineer of the Clarion River Power Co., at Kittanning, Pa., in the promotion of a large hydro-electric power scheme in western Pennsylvania. He was engineer on the preliminary surveys and plans for the new Providence, R. I., water supply, now approaching completion.

"He then engaged in the field of municipal research and became a member of the staff of the New York Bureau of Municipal Research, the pioneer in this country. He was engaged in governmental surveys in many cities, which included Rochester, and Buffalo, N. Y., Norfolk, Va., Detroit, Mich., Montreal, Can., Denver, Colo., Indianapolis, Ind., Columbus, Ohio, and San Francisco, Calif.

"While engaged in this work, he became associated with the Street Cleaning Department of New York City for the purpose of aiding in the development of plans for snow removal. While occupied with this work, the idea was developed of attacking snow as soon as it begins to fall and disposing of as much of it as possible by means of snowplows through the sewers instead of following the more expensive method of carting it away after the fall ceases. This has become the modern method of snow removal.

"He was named Deputy Street Cleaning Commissioner under Commissioner J. T. Featherston, of the Department during Mayor Mitchell's administration. In this capacity he had charge of all financial matters covering a budget of about \$9,000,000 a year, all purchasing and distribution of supplies amounting to more than \$4,000,000 a year, the appointment and records of a force of approximately 8,000 men, the veterinary care of some 2,500 horses, and the final disposition of all garbage, ashes, and rubbish collected in the boroughs of Manhattan, Brooklyn, and the Bronx.

"At the close of the Mitchell administration he entered war work with the Air Nitrates Corp., a subsidiary of the American Cyanamid Company. This company was responsible for the construction and operation of the nitrate plants at Mussel Shoals, Ala., Toledo and Cincinnati. He held successively the posts of engineer in charge of the training of operatives, Assistant General Superintendent at Mussel Shoals, and assistant to the President in charge at the Mussel Shoals plant. It is believed that it was the long hours and intensive work done on this project that ultimately resulted in the first cerebral attack. At the close of the war he became associated with the International Motor Co., builders of Mack trucks as assistant manager of the Public Works Department of the concern. It was at this time that his first cerebral attack occurred.

"In the course of the present winter, apparently having recovered sufficiently to warrant taking up his work again, he undertook the development of advice for snow loading into trucks and spent some time assisting the Fall River Chamber of Commerce in developing a plan for an industrial survey of Fall River. This plan, he completed.

"Mr. Parlin was married in 1910 to Maude Frances Darling of this city, a fellow student at the Massachusetts Institute of Technology, where she was studying architecture. They had three children: Raymond W., Jr., Daniel Baker and Frances. His wife and children survive him.

"His mind was keen and his interest deep in whatever he undertook. He left little time for recreation in his indefatigable industry. He had many friends in all parts of the country who recognized his unusual ability."

Announcement has been received of the marriage of L. L.

## 1907 Continued

Peabody, to Miss Georgianna Watson, in New York City, on June 2. Peab and his wife will be at home after August 1, at 49 Hoyle Street, Norwood, Mass.

## 1909

CHARLES R. MAIN, *Secretary*, 200 Devonshire St., Boston, Mass.  
GEORGE A. HAYNES, *Assistant Secretary*, 186 Lincoln St., Boston, Mass.

By the time this issue makes its appearance, the Fifteenth Reunion will have been celebrated. Unfortunately the account of the reunion must hold over until the fall, inasmuch as it is not physically possible to get the copy to the Editors of The Review before the time limit is up. At this writing (the latter part of May) plans are well under way, and our expectations are high.

Joe Parker dropped in at the Secretary's office the other day, with the announcement that he had opened a consulting engineer's office of his own at 88 Broad Street, Boston.

Doubtless many of the class have already seen the account of the death of Montague (Montie) Flagg, which occurred at Hartford, Conn., on April 17. He had been in failing health for some time, but his death is none the less a shock to many of us.

After graduation he studied architecture in Paris, returning to America to open an office in New York City, where he achieved success in his chosen profession. Among the more important buildings designed by him are the Bankers Trust Building, the Thomas Cook Building in New York, and the Rockville Savings Bank at Rockville, Conn.

During the war he was commissioned ensign in the United States Navy, being promoted to lieutenant junior grade in command of a squadron of submarine chasers.

Bert Marshall, in behalf of the class, conveyed our sympathy to the family, residing in Hartford, Conn.

John A. Willard is Treasurer of the new firm of Bigelow, Kent, Willard & Co., Consulting Engineers and Accountants, with offices at Park Square Building, Boston, Mass. Willard was formerly with the Cooley & Marvin Company.

Maurice (Mollie) Scharf has given up his work with Morris Knowles with whom he was associated for so many years, and is now devoting himself to the valuation and related work of the Philadelphia Co., and its affiliated electric, natural gas, street railway, and steam heating companies.

## 1911

ORVILLE B. DENISON, *Secretary*, Room 3-207, M. I. T., Cambridge A, Mass.  
JOHN A. HERLIHY, *Assistant Secretary*, 588 Riverside Ave., Medford, Mass.

Oh, the stork has paid a visit to another 1911 family for the first time! Yes, sir, Mr. and Mrs. Chester T. Morey are the proud possessors of a six-pound daughter, Cynthia Elizabeth, born on May 9, 1924. Chet says his wife and daughter are both doing finely, and we are all very glad to hear the good news. There is also a story of a 1911 wedding which it is a pleasure to present. On last Saint Valentine's Day a pretty wedding occurred in the Fifth Avenue Presbyterian Church in New York City, when Miss Berthan West of Hartsville, South Carolina, became the wife of J. Barton Nealey. The happy couple are now at home in Jackson Heights, New York City. Bart is President of the American Welding & Machine Works, Inc., contractors and engineers, 66-68 Marshall Street, Newark, N. J.

It is with the deepest regret that announcement is made of the death of one of our classmates, Paul E. Burnham. Paul died suddenly at his home in Pittsburgh, Pennsylvania, on Saturday, April 5, following an attack of heart disease. He is survived by his wife, née Laura Alice Goertzig, and his parents, Mr. and Mrs. Albert E. Burnham of Lowell, Massachusetts. He was a registered Civil Engineer in the State of Pennsylvania, a member of Orient Lodge 272 (Masonic) of Logansport, Indiana, and a member of the English Lutheran Church, Pittsburgh. Graduating with us in the Department of Civil Engineering, Paul has been engaged practically since graduation in railroad work, being Assistant Engineer on the P. C. C. & St. L. R.R., Panhandle Division at Pittsburgh at the time of his death. He was personally in charge of an office force of forty-nine members engaged in the preparation of plans and estimates of new industrial track layouts, development schemes of third and fourth tracks, station buildings and grounds, design of concrete and trestle bridges, preparation of licenses and agreements, realignment of curves and revision of grades and other maintenance problems. The Secretary has of course expressed the deep sympathy of all '11-ers to Paul's widow and parents.

Had a nice letter from Joe Dunlap recently, in which he stated that he left the Goodyear people in Akron, Ohio, the first of the year and is now in Buffalo, New York, where he has entered into sales work with the Dunlop Tire & Rubber Company, located at the home office. He adds: "I expect to bring the wife and boy up here the first of June and it sure is lonesome here without them. Have been getting back to Akron once a month to see them."

Raymond Cole is now located at Wakefield, Massachusetts, with the Massachusetts Oil-less Bearings Corporation, while Major H. C. (Doc) Davis, Jr., has been transferred from the Watertown Arsenal back to the Adjutant-General's Office in Washington. At the annual spring meeting of the Taylor Society, whose membership comprises industrial engineers, which was held in late April at M. I. T., I had a pleasant renewal of acquaintance with H. M. Davis, who is with the Nashua Gummmed & Coated Paper Company, Nashua, N. H.—Hal Jenks has just advised me that after June 1 he will be with the Cambridge Electric Light Company, making his headquarters at Western and Blackstone Street, Cambridge.

While concluding my trips to the fifty-two active local clubs in the United States, I surely had some delightful get-togethers with '11-ers. By the way, here is a list of the live-wires of New York, who greeted me so cordially at the wonderful Radio Dinner: Jim Campbell, Burleigh Cheney, Norman De Forest, L. P. Ferris, Bob Morse, Bart Nealey, Bill Orchard, Dick Ranger, Don Stevens, Harry Tisdale, P. V. Wells, Bill Whitney, and Erv Young. Just a baker's dozen — an all-star cast!

Out in Seattle, I met Bert Fryer, Art Gay, and H. H. Whited. Fryer is agent for the Northwest Blower Kiln Company, and the Terry Steam Turbine Company; Gay is an architect with Joseph S. Cote; Whited is with the Oldsmobile Company. In Spokane was Foster Russell, who is President of the Foster Russell Airplane Company and local agent for the Star car. There are no '11-ers in Butte, but when I stopped at Richmond, Virginia, on the way back to the University of Virginia at Charlottesville, where I attended the Eleventh Annual Conference of the Association of Alumni Secretaries, I had a delightful time with Don Frazier and his wife. Don is local agent for the American Mutual Liability Insurance Company, and was elected Secretary-Treasurer of the Technology Club of Virginia, which was formed during my two-day stay in Richmond. I also met W. C. Davis, Jr., there. He is in road construction work, at present spending a lot of time in Tennessee.

Out in Duluth I met no '11-ers, but did have a fine time with Holman Pearl, '10, and J. A. Noyes, '12, both of whom are well known to 1911 men. When I got to Minneapolis, there was my old friend Bill Salisbury waiting to greet me. Bill is now agent for The Oil Equipment Corporation, specializing in Chalmer's Automatic Oil Burners. He's the same old Bill and it was a delight to be with him again. I also saw Clif Hield, '10, well remembered as leading man in Tech Shows. In Milwaukee I was royally entertained by Stu Copeland's father and mother, Mr. and Mrs. G. E. Copeland. They gave me a fine dinner and later in the evening we attended a performance of "The Mikado" by the employees of the Northwestern Mutual Life Insurance Company, with which organization Mr. Copeland is connected in an official capacity.

During the mid-May convention of the Technology Clubs Associated, I was greeted by Minot Dennett and Joe French of Detroit, and also saw quite a bit of Ike Hausman of Toledo and Aurora Borealis Grossman, who is now with the Atlas Steel Corporation at Dunkirk, New York. When passing through Chicago on the way to Duluth, I met Jim Duffy and Johnny Wilds at a lunch arranged in honor of President Gilmore and myself — and oh, yes! speaking of President Gilmore, he and President-elect Booth teamed together on three occasions in Detroit and showed the Class of 1911 — represented by Minot Dennett and myself — where we got off on the golf links. We've got to give the old boys credit!

I missed Zeke Williams and Bill West both times I have been in Chicago, but I did have a 'phone conversation with the latter in December. When I got back I found a fine letter from Zeke, in which he said in part: "I am making my home at 626 Sheridan Square Boulevard, Evanston, Ill., and it would be well to address my mail there. I am so anxious for you to see the 'pride' of the Williams home, wee Anne and her older brother, David. Of course, David will have to go to Tech and judging from Anne's present disposition, she will determine for herself just where she will go."

"At present I am acting as a special representative for the National Cash Register Company, and it entails my working in the several mid-western states. Please give my best to the old bunch and remember I am looking forward to entertaining you on your next trip to Chicago."

## 1912

FREDERICK J. SHEPARD, JR., *Secretary*, 568 East First St.,  
Boston, Mass.

D. J. MCGRATH, *Assistant Secretary*, 17 Gramercy Park,  
New York, N. Y.

In spite of the fact that we did not go to press last month, no great amount of news has come in.

The most recent marriage intentions appear in the form of an invitation to the wedding of Miss Marion Whipple to Jerry Keith, Course I, on Saturday, May 31, at the Appleton Chapel, Cambridge, Massachusetts.

Mr. and Mrs. Keith will be at home after June 21, at 995 Forest Road, New Haven, Connecticut.

Spring seems to be the season of weddings. Another recent marriage is that of Miss Helen Covington Bernard, to Mr. Robert S. Cox, Course III. This wedding took place on April 24, at 8:30 o'clock, at the Church of the Ascension, Mount Vernon, New York. Miss Bernard is a graduate of Wellesley, 1920. Mr. and Mrs. Cox will make their home in Boston.

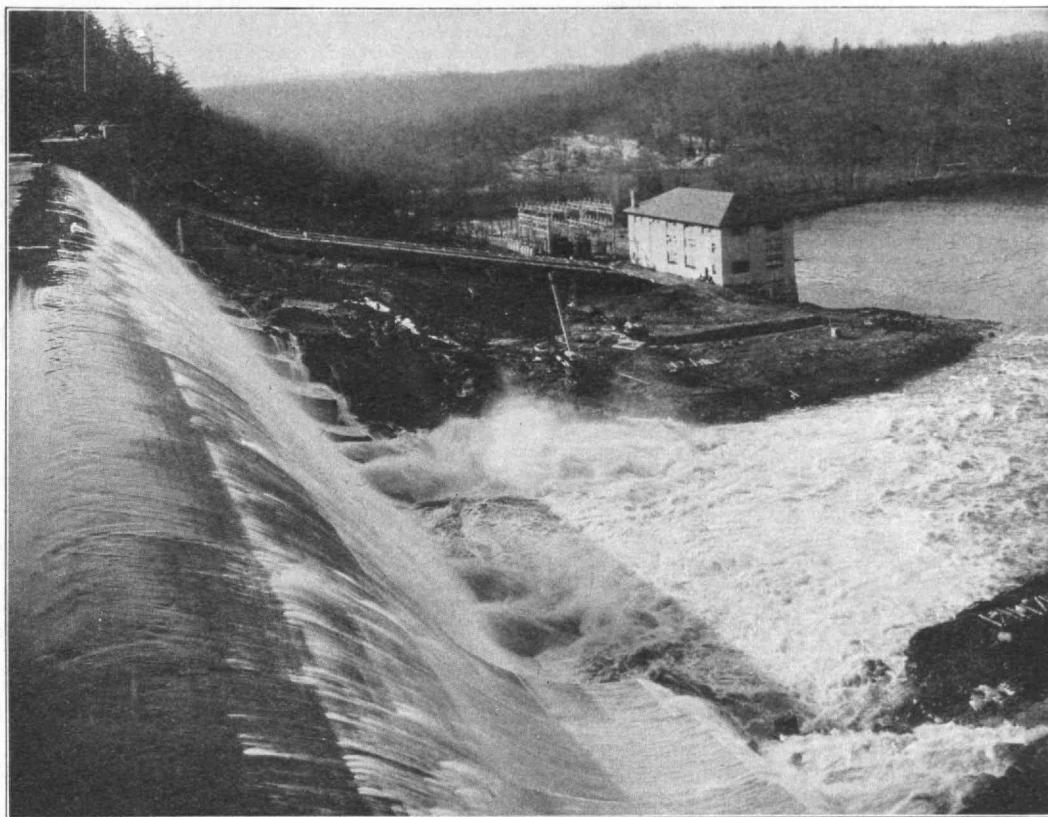
Unfortunately, no news has been received from the New York delegation, which will explain in a large measure the brevity of this month's notes.

## 1913

FRED D. MURDOCK, *Secretary*, 30 Bartlett Ave., Arlington, Mass.  
R. CHARLES THOMPSON, *Assistant Secretary*, 26 Cedar St.,  
Watertown, Mass.

Dave Nason has been elected a director of the Helburn Thompson Co., Salem.—C. W. Brown answers the call for news in this manner: "I had noticed the conspicuously absent class notes in The Review, and even went so far as to wonder when you would send a return card and ask for news. You have sent the card; here is the news. I have been taking time studies for purposes of rate-setting and process improvement in a screw factory for the last nine months and am about through with this job. Bring on your screw factories. Note that E. N. Taylor has moved from St. Louis to 12 Bridge Street, Newark. Why not broadcast a request for news? One hundred per cent would get it that way."—Bob Tullar, II, writes: "Note the effect of your small stick of dynamite. What can one do, though, when one leads a quiet and uneventful life. I ran across Sandstein, '12 and '13, in the La Salle Hotel in Chicago this past week. I'm Inspection Engineer for the Victor Talking Machine Co. now. Fine kind of work and I like it immensely. So, if your Victrola doesn't function properly, you at least will have the satisfaction of cussing out someone you know. I hope you are enjoying your new line of work. You have my best wishes for a happy and prosperous New Year."—Ralph Alger notes: "Am busy as President of The Alger & Knowlton Co., General Contractors, specializing in distinctive homes, building and selling high grade residences in Shaker Heights, a suburb of Cleveland. Hope you are prospering and enjoying life."—Will someone tell me what Jim Beale meant by the following? "Flattery is bad for the soul. It gives one a self-satisfied feeling that goeth before a fall. I don't want you to fall, Fred."—F. H. Achard is still at Springfield, Mass.—Jack Farwell now resides in Paris. He is foreign manager for the Worthington Pump & Machinery Corp.—Albion Davis has two healthy small children, and an automobile, all located at Keokuk, Iowa.—C. S. Roe notes: "In reply to the other half of this card I would write you a letter but have nothing worth while to fill one. My big assets are a wife and two boys. Manage to keep the wolf from the door by being connected with several manufacturing plants and a couple of contracting outfits. Put in most of my time as Treasurer of the Ideal Power Lawn Mower Co., and Treasurer of the R. E. Olds Co."—J. W. Lovell writes as follows: "Well, Fred, I don't like to see '13 flattened out too much between '12 and '14 in regard to news in The Review. I am still with the Collyer Insulated Wire Co. at Pawtucket, R. I. See very little of '13 men down this way. Also saw very few at the annual banquet."—J. M. Hastings, Jr., Syracuse, N. Y., has deserted the ranks and is selling life insurance for the Mutual Benefit Life Insurance Co. of Newark with some success. Those desiring engineering service on insurance can readily do business by mail. Also married and the slave of one son, J. M. H., III, of one and one-half years."—H. R. Wemple, X, notes: "Still sales manager for Texas Gulf Sulphur Co., headquarters corner of Madison Avenue and 42nd Street, New York. Perhaps the Secretary wants to give some sulphur and molasses as an aid to getting notes. If so, I can supply the sulphur. See Barnes and Crawford whenever those T. B. M. (Tired Business Men) can steal a lunch hour from their jobs."—I am glad to have two nice letters, one from Larry Hart, the other from Claude Cairns. Larry writes: "I want to assume my share of the responsibility, which you are carrying in getting out class notes for The Review,

although there is not much that I can give you in the way of news. I have been located in the New York Office of our Company since the first of May last year in the capacity of Assistant General Sales Manager. This affords me an opportunity to get around the country and meet a greater number of our old Technology friends. Had a very nice visit with Buck Dorrance, '14, in Philadelphia last month. Have tried several times to see Walt Bylund, but he has been very busy, due to the rush of business in the candy line during the holiday season. I am leaving tomorrow for an absence of five or six weeks on the coast. Shall probably spend time at Seattle, San Francisco, and Los Angeles, and hope very much to get in touch with mutual friends while in that part of the country."—Claude wrote: "I have your recent card and would say I have never had the pleasure of writing a partial autobiography for The Review; in fact, have always refrained from doing so, not because I do not take an interest in the doings of the other fellows in the class, but because I have always felt that possibly they were not interested in what I am doing. However, I now realize that if everybody felt that way your sandwich would be only one of bread and butter. The company at the head of this letter is one of which I am General Manager, and just at present am as busy as a one-armed paper hanger with the seven years' itch. I suppose I should tell you what the company is, but believe our advertising is so extensive that at least one per cent of the members of the class have heard of us. Our factory is in Cambridge right near Tech, and the latchstring is out for any who want to see how we make Acme for Amplification."—You who once enjoyed Hap Peck's vigorous communications to The Tech, read this: "If there is anything which disgusts me more than opening a Review and finding it to be an issue in which 1913 notes are not scheduled to appear, it is to pick up an issue in which they should appear and find none there. Of course, I never write any myself for that is the Secretary's job: and I never send him any copy because all my classmates are supposed to do that. I am the privileged exception that proves the rule; my whole duty is to enjoy the fruit of other's labors, or complain when the fruit is scarce or poor. Now isn't that a hell of an attitude for a Tech man, and especially a Thirteener? And yet, it sticks close to home in my case, and if my classmates read this, it may seem to fit some of them also. 'Nuf said, let's go, mates."—Twink Star contributes the following cheerful word: "You ain't getting sore on your job are you? Didn't we flatter you enough when we gave you a vote making you Class Secretary? Always figured that all you needed was the excuse to talk and you could fill endless space whether or not you had anything to say. Now if you are slipping, you have my sympathy or maybe you are just starting to work so hard for a living (like most of the other 499 did in 1913) that your imagination doesn't have a chance to run riot any more. As for myself am still working in Erie, Pa., on cold storage plant. Expect to take a couple of months more to finish. Beyond that, the future is indefinite. Got married a little over a year ago and have a son, Peter Jay, three months old. Expect to take a trip East in the spring and will try to look you up at that time. In the meantime, keep up your good work. We all appreciate your efforts, even though the results are somewhat discouraging to you."—Barton E. Brooke notes: "Announce the arrival on July 16, 1923, of Edward Foster Brooke, the second son. My business is expanding in pace with my family and John H. Scovill, '11, late with Bethlehem Ship Corporation, joined forces with me on January 1. We expect a busy year."—Wood Selfridge used his reply card to the following good advantage: "Can at least give you a change of address from San Francisco to Los Angeles, permanently speaking. Have been with the Standard Oil Co. for two years now. Was sent down here when transferred last March from the Engineering to the Right of Way Department. If it were not for the work, must say I still prefer the old home town to live in. This place certainly has the climate, though. Don't fall over dead when you get this."—Carl Springfield has what one might call a dirty job, he says: "Your card just received. My present address is Breckenridge, Texas, c/o Texas Carbon Industries, Inc., Box 55 and I have located here for the time being, running a 'soot' factory, turning out about 6000 pounds of carbon black daily, to be used in the manufacture of auto tires and printing inks."—Earl Caldwell came across in his usual generous fashion: "Your card received this morning and I am at once sitting down and sending you what little dope I have. The first thing I want to get off my mind is to say that I was rather disappointed in the last number of The Review to read the very meagre notes concerning our Tenth Reunion. I am not particularly blaming you or anybody else, but I have always noticed when any other class held their Tenth Reunion, they had a grand write-up in The Review. Of course, I know what took place at Wellfleet, but there are a good many in the class who were not there and if they were made acquainted with the grand time we did have, it might



**THE STURGEON POOL DEVELOPMENT FOR THE UNITED HUDSON ELECTRIC CORPORATION  
THE FOUNDATION COMPANY, GENERAL CONTRACTOR**

THIS development of the United Hudson Electric Corporation, near Kingston, N.Y., utilizes water power from Wallkill Creek. The dam is about 700 feet long and 110 feet high. The power house is about 50 feet by 100 feet, and the present installation will consist of three vertical wheels, each with a 6000 H.P. generator. Construction involved the operation of a quarry, crushing plant, and a railway from the quarry. Materials, other than stone, had to be trucked in, but in spite of this handicap and a severe winter, construction was carried on by The Foundation Company, as general contractor, without interruption.

**T**HIS economy of "white coal" is now so fully realized that hydro-electric developments are being built wherever there is a demand for cheap electric energy. With modern equipment and an efficient organization, The Foundation Company is building hydro and steam power projects in many parts of the world.

## THE FOUNDATION COMPANY CITY OF NEW YORK

Office Buildings • Industrial Plants • Warehouses • Railroads and Terminals • Foundations  
Underpinning • Filtration and Sewage Plants • Hydro-Electric Developments • Power Houses  
Highways • River and Harbor Developments • Bridges and Bridge Piers • Mine Shafts and Tunnels

CHICAGO  
PITTSBURGH  
ATLANTA

SAN FRANCISCO  
LOS ANGELES  
MONTREAL

LIMA, PERU  
CARTAGENA, COLOMBIA  
MEXICO CITY

LONDON, ENGLAND  
PARIS, FRANCE  
LOUVAIN, BELGIUM

BUILDERS OF SUPERSTRUCTURES AS WELL AS SUBSTRUCTURES

1913 Continued

give them a little more enthusiasm to keep in touch with the class affairs. While at Wellfleet I received numerous promises of photographs, etc., but Bob Bonney was the only one who came across and sent me some. There is not much real news. I am doing just what I have been doing in the past four years, in the same way.—Norman Clark has left Holyoke and is located somewhere in New Jersey.—Mons Gagnon has left Florence, present whereabouts unknown. I should be pleased to know whether you are planning to have the monthly class suppers during the winter season.”—P. M. Hamilton notes: “Your card received when I arrived home tonight. Don’t know of much to say except have graduated from a machine erector to salesman for the Davis & Furber Machine Co. of North Andover, Mass. Family still consists of wife, bulldog and myself. Had a kitten but it died. Wife cried. Play Santa Claus at family gathering on Christmas and dress up in pretty red suit with whiskers. Don’t do much but work, and study a little. See Fessy, ’13, once in a while. He has two fine children. Named his youngest after me. ‘Fine feller.’”—Allison P. Smith notes: “Mighty glad to hear from you. Have wondered why we do not have a few of those ‘get togethers’ at supper time same as we had last year, say once a month. Did you get notice of the death of the father of Lawrence A. Bevan, II, who died in his garage in December of monoxide poisoning? Here on the farm we are enjoying the best all-around winter in ten years. Pruning of apple trees takes the most time. A little wood chopping and sawing and the usual chores. Well, like all the others, I look at The Review each month and I guess that fellow was right, for some sandwiches have no filling at all.”—Lester Hoyt said: “No news from ’13, not even a new? Will try to respond to your justifiable wail with a few lines. No news in particular. I merely have to announce the arrival of a third daughter, Jean Lawson Hoyt, on December 17. It’s about time I think to start a research as to why, with rare and phenomenal exceptions, chemists seem doomed to add only girls to the population. Am enjoying the summer in Buffalo this winter very much-not. The best the weather has been able to do is a paltry five above zero and that only temporarily.”—Walter Whitehead is abroad, at present in New Caledonia, wherever that is.—Fred Kennedy sends along another boost for Los Angeles climate: “There is very little news from me except the routine of the architectural business. I am in business for myself here in Pasadena, and developing a good practice. Married life runs along like a song, and the California climate, of course, is all that is necessary to round out a perfect life (roughly speaking).”—L. E. Wright notes: “After reading your appeal I feel that I must put down something. I have not seen a ’13 man since I came to Cleveland two years ago, so I can’t furnish any news about the Cleveland fellows.—The company has acquired a new spring. Last fall we graded a half mile of road and this spring will commence the construction of a new bottling house. This is additional capacity to our present three million gallons a year. This added capacity will bring the total to ten million gallons. All I have to do is sell the output. If you don’t get your reward for this job here, well there is a hereafter.”—Elliott Gage sent the following from Augusta, Ga.: “You ask for news. I am still with the U. S. P. H. S., studying the relation between impounded waters and malaria in the states of North and South Carolina. E. H. Jr., at twelve months, shows no surprising ability at anything beyond getting what he wants when he wants it.”—Halsey Elwell, contributes a tip on Hollywood, where I take it he is shoeing the movies: “Representing A. E. Nettleton Co., Syracuse, N. Y. (Denver and the West). Hollywood offers many openings

to all kinds of engineers, both mechanical and temperamental.”—Fay Williams notes: “Nothing new to report. Same old job, and plenty to do. Received Commission last summer in Officers Reserve Corps as Major. Would like to know how many of the class are in the Reserve.”—Alexander Vachon made a long and interesting trip last summer, spent two months in Alaska, and went up to the Arctic Circle, made an extensive study of the geological formation of the Yukon and Tanana Valleys. He was in Nenana, Alaska, when President Harding and party were there.—Palmerton is no longer isolated, thanks to the radio. I quote from C. W. Gotherman’s card: “There are five M. I. T. men on our block. A short time ago I picked up the Combined Musical Clubs concert from Providence on the radio, and notified all the fellows to tune in on it. We enjoyed it immensely especially, ‘Take me back.’ Let’s have some more.”—Caleb Peirce said: “In reply to your request for information, I am now architecting under own power. There is very little else to relate, ‘cept I have hopes. Not married and no children yet.”—Norm Clark is now located in Philadelphia, where he is sort of Technical adviser to the Collins Co., which manufactures specialty papers. For the past three months he has been doing some special work for the Crescent Color Co., at Durwelling, N. J.

All told, about seventy-five men attended, although that number was never present at one time. To a large extent the fellows whom you surely expected to see were not on hand, and, on the other hand, a number showed up who were the more welcome because we hadn’t counted on them. Hap Peck, for instance, only a few miles away, was absent. I investigated later and found that the sum of his duties as husband, father and struggling patent attorney was too heavy an anchor. A few tried the bathing. Bur-r-r-r, it makes me shiver to think of it. The water seemed warm to that old sea dog, Bill Brewster, who in spite of his rotundity can play a good game of tennis, not good enough to cope with Bob Bonney, though. Bob is in a class with Charlie Thompson. They have the build of, and run like freshmen. Jim Beale regaled a small group with some snappy stories of that grand old war horse, Jake Goff, the sphinx. Earle Caldwell wrote and sang at the banquet, with the help of Norm Clark, a parody of local hits. It was good and well received. The waitresses were pretty in the estimation of several whose names I dare not print. Affairs can be glorified in the telling of them. Not so with our reunion. In the opinion of many, it was their best time in ten years.

## 1914

H. B. RICHMOND, *Secretary*, 100 Gray St., Arlington, Mass.G. K. PERLEY, *Assistant Secretary*, 45 Hill Side Terrace, Belmont, Mass.

With the Ten-year Reunion approaching, three Fourteeners showed signs of speed and joined the majority so as to be tax exempt at the reunion. This is the largest number we have had the pleasure of announcing in any one month for a long time. We hope their example will serve as an inspiration to the remaining delinquents. The announcements read as follows:

“Mr. and Mrs. Robert Gustavus McNutt have the honour to announce the marriage of their daughter, Helene, to Mr. Herbert Hudson Hall, on Thursday, the tenth of April, Nineteen hundred and twenty-four, Maryville, Tennessee.”

“Mr. and Mrs. Melvin Maynard Johnson announce the marriage of their daughter, Dorothy, to Mr. Porter Hartwell Adams, on Tuesday, April the twenty-ninth, Nineteen hundred and twenty-four, fifteen fourteen Beacon Street, Brookline, Massachusetts.”

**STANDARD PLATE GLASS CORPORATION***Dependable Service*

**BOSTON**  
**HARTFORD**  
**CAMBRIDGE**

# Business Life Insurance

Now Recognized as a Permanent Economic Factor—  
Executive Ability an Asset, and a Loss if Displaced

**BUSINESS LIFE INSURANCE** must be recognized as an economic factor in indemnity for the loss of capital and brains. The death of a man closely identified with a business cannot but result in a shock to the organization, possibly affecting its financial credit, its business-getting ability, or its efficiency of operation, all of which may bring about pecuniary loss.

Hence it is both wise and prudent for business concerns to have the lives of men whose death would affect them in this way properly protected by life insurance, thus assisting to tide over temporary difficulties and provide for continuance.

A man who has great executive ability, or whose knowledge assists in shaping the destiny of a business, is of distinct economic value to the organization, and the same may be said of the Financial Man in touch with business conditions, banks, bankers, etc.

The same is true of the Sales Manager, whose ability and tact have developed the producing factor. It may be true of the Buyer of the concern, whose knowledge of market conditions leads to closer trading and better profits; also of the

Foreman of the shop, whose skill and industry have become a permanent and substantial part of the business.

The loss of any one of these may throw the organization out of gear, resulting in disarrangement and actual loss.

All business men recognize the need of adequate fire-insurance protection for their credit—in fact, they could get no credit if they did not have this insurance—and yet loss by fire is infrequent and may never occur, but death is certain to come sooner or later.

Here is developed a great need for the life-insurance policy, and it would seem that good business judgment would prompt the setting aside of the life-insurance premium among the fixed charges of a business concern.

The life-insurance policy is easily adaptable to varying conditions—to replace ability and brains, to safeguard credit, to buy out a retiring partner's interest, to satisfy the estate of the deceased member, to establish an emergency fund to tide over re-organization.

In contracts of this description, Security of the indemnity will be the first thought of the careful business man and in this respect this Company offers the very best.

## Over Sixty Years in Business

Now insuring over One Billion Eight Hundred and Fifty Million Dollars in policies on approximately 3,300,000 lives



1914 Continued

"Doctor and Mrs. Julian Adair have the honour of announcing the marriage of their niece, Miss Eleanor Gause Spear, to Mr. Roland Woodward, Junior, on Saturday, the seventeenth of May, One thousand, nine hundred and twenty-four, at Wilmington, Delaware."

Two new arrivals have also been reported this month. They are a daughter, Mary, to P. L. Scannell and a son on April 4 to Francis Whitten. Scannell now enters the field as a real competitor for the Roosevelt prize formerly held without competition by S. H. Harper. Harper boasts of four boys and now Scannell comes along with three sons and a daughter. The contest is getting keen. Whitten reports that he has just built a house in West Medford, Mass., and needed more occupants. Whitt also has a five-year-old daughter.

At the regular Boston monthly luncheon held at the Engineers' Club on May 6, A. H. Waitt gave a very interesting talk on "Chemical Warfare." He had numerous samples of modern gases and the crowd was very much worried with the careless (?) way with which Waitt toyed with them. Waitt remarked that he had a gas mask so that he need not worry, but this did not seem to impress the others, particularly your Secretary, who sat farthest from the door. Those present at the luncheon were Ober, C. H. Wilkins, A. S. Wilkins, Ambler, Waitt, Crocker, Harper, Dunn, Atwood, Perley and Richmond. As Porter Adams was at Atlantic City, his inspiration was missing.

W. A. Snow is anxious to hear from any Fourteener hearing radio station WQAM (Miami, Florida). Mrs. Snow has played several piano solos and many accompaniments from that station.—F. C. Blomquist writes that he is still with Roger M. Freeman in the construction engineering game, at 8 West 40th Street, New York City.

The second and third issues of the *Pioneer* have already reached you. The little paper has rejuvenated a lot of enthusiasm in the class and it is hoped that after the reunion this enthusiasm will be kept up.

\* \* \*

"Head Clear as a Bell"—No one attending the Ten-year Reunion will ever forget Charlie Fiske's recitation on the above caption. It was good the first time and better the second. It was more than a story, however, because it summarized the whole party. Some bells may toll, but not ours; it rang. "Head Clear as a Bell!"

One of Porter Adams' hooch stories also furnished an ideal description of the reunion. Had the party been rougher the Riversea Club would not have enjoyed it; had it been smoother Fourteen would not have enjoyed it. It is our sincere gratification that Mrs. Jarvis, our hostess at the Riversea Club, congratulated us on the continuous round of merriment and stated she had never had such an orderly gathering for such a happy one. It was certainly, as the song "Take Me Back to Tech" says—"A Scientific Bat!"

The weather, the club, and conditions in general, could not have been more ideal for a reunion. Certainly everything was with us. Although the party officially started with dinner on Friday evening, June 6, there were two previous gatherings that should be included. The Boston contingent met at the South Station at noon and went to Saybrook by special parlor car. The New York crowd were more ambitious. They came over the road by auto convoy. From all reports both parties had an equally enjoyable time. Due to the efforts of Porter Adams the New Haven added a special car to their one o'clock train, made a special stop for us at Saybrook and, in fact, showed us every possible courtesy, even to tying a big 1914 sign across the end of the train.

From the time we arrived until dinner everyone enjoyed himself, except H. S. Wilkins. Poor Wilkins lost what little hair he had left, trying to get the room assignments straight. We can all laugh at Wilkins for the troubled look he carried around with him, but we certainly can thank him for a wonderful method of distribution. Confusion was avoided and congenial groups arranged.

We had hardly entered the dining room when it became evident that the party was going to be a success. Perley had made a previous trip to Saybrook and arranged for all the details. He certainly did a fine job. The food and method of service were excellent.

It was not until dinner was over and we had adjourned to the main living room that the fun really began. In order to get everyone acquainted we started a little historical narrative. Everyone present told what he had been doing during the past ten years and why he was still on earth and what he had to show for it. After everyone had had his say, prizes were awarded for the longest journey and the largest family. Dave Sutherland came all the way from Minneapolis, and was awarded a loving cup for his efforts. Dana Mayo, who came from Detroit,

1914 *Continued*

was a close second. The prize for the largest family was contested for. Phil Scannell and S. H. Harper, both boasted of four youngsters. It was at first difficult to know how to divide one prize between two people. It took the wisdom of Solomon to decide that Scannell was the one that needed the prize. Harper had his four at our last grand reunion held in 1920, while Scannell had come up three in that time. In addition to toys for the kiddies, the largest family prize included a special one for the proud father.

Buck Dorrance next took the floor. It is always a pleasure to listen to Buck's genial way of expressing himself. It is really worth coming to a reunion to listen to Buck's greeting. After the greeting to the class, Buck presented your Secretary with a handsome silver vase, as an appreciation of his work. To say that he was overcome, not only with surprise but with gratification, is putting it too mildly. It has been such a pleasure to carry on the class business that that alone was sufficient reward. To be sure, it is trying at times and means a lot of work, but it seemed too much for the class to do, particularly when financing a reunion, to present such a beautiful remembrance. It indeed will serve as an inspiration for the work to be carried on during the next five years. Your Secretary and Mrs. Richmond would like to take this occasion to thank the class for their beautiful thoughtfulness and generosity.

We next proceeded to the class business of electing new officers. There never is any question as to our class President; although he insists on the formality of re-election. Buck Dorrance is our President for all times. It is needless to say that he was re-elected. It has always been the thought of your Secretary that it might be better for the class to re-elect a new Secretary every five years. It would seem that this plan would give a fairer representation and the notes in *The Review* might not become so monotonous. Your Secretary came to the reunion firmly convinced of this, but, perhaps because he was so overwhelmed with surprise after the presentation of your testimonial, he couldn't satisfactorily express himself. When it was all over, he found that he was re-elected. There is nothing left to do but make good.

The office of Assistant Secretary is a peculiar one. He does the work and the Secretary gets the credit. Perley, who has held the position so satisfactorily, was also of the opinion that it would be better if we could have a new assistant, but he did not have a show. He, too, received another five-year sentence.

After the formal business was out of the way we proceeded with a real story-telling contest. Charlie Fiske certainly capped the climax with his "Head Clear as a Bell" recitation. Porter Adams never was in the rear, when it comes to story telling. In fact, it would seem as if the crowd had been saving up for the past ten years just for the occasion. After everyone had had a chance, prizes were awarded for the best stories. Nobody seems to remember just what the prizes were or to whom they went. Although this officially concluded the program for the evening, adjourned meetings took up the greater part of the night. They were not, however, so strenuous that the golf links were not well covered by seven the next morning.

Saturday dawned warm and fair. It was a day ordered for the occasion. The morning was devoted to a field day, followed by a ball game. The Boston contingent was there strong; not only did they win the tug-of-war, but also completely trimmed the New York crowd, although only by a single run, in the ball game. Feature races included a three-legged race, a sack race, fat man's race, costume race and wheelbarrow race. The speed that the crowd showed was evidence that the party was not too rough.

After luncheon, nearly all motored to the Submarine Base at New London. Here we were shown briefly through the machine and electrical shops at the Base and then were divided into four groups, going aboard the submarines S-24, 26, 27, and 28. We went out into Long Island Sound and after cruising around so as to give everyone a chance to become familiar with the operation of a submarine, we spent about half an hour diving under water. This was certainly an event long to be remembered and a thrill for all. The particular thrill came to Alden Waite and your Secretary. We concluded that we had seen about all there was to be seen inside of the submarine, so we climbed on deck. After taking a few deep breaths of fresh air and thinking how foolish the rest were to stay below, we heard the Commanding Officer call out, "Rig ship for diving." We thought this ought to be our cue to get down where the water wasn't quite so wet, so we started for the hatchway through which we came up. It didn't take long to convince us that we were just one lap behind; the hatch was battened down. We went forward to get down that hatch before it was closed, but we then found we were two laps behind. Before your Secretary could offer a suggestion, Waite was two-thirds the way up the periscope, hanging on for dear life. This looked good to your Secretary, so he started after him and we got up just in time to find that we could slip through the conning tower hatch before the water broke over us. Waite says that he has often thought of resigning his army commission and joining the navy. He has changed his mind and he is off of it for life. After spending about two hours and a half at sea we returned to the Submarine Base and motored back to the club, where a wonderful dinner awaited us.

Saturday night was stunt night. We opened up with a series of slides showing pictures taken at our Senior Picnic and various times since, and also several of the new buildings. Then came the prize stunt of the occasion. It was a radio stunt staged largely through the efforts of Affel, Hines, and Hall. No description can do it justice. It was a prize winner. We certainly were all grateful to those taking part in the stunt for the large amount of work they did in preparing it. After the crowd had subsided from the laughter brought about by the radio stunt, moving pictures were shown. We had a reel showing the Institute and a number of the professors and then a collection of films furnished by Technicolor. They were secured through the efforts of Atwood. Just what these pictures were, will depend on whom you ask. In the riot that followed, wonderful samples of film were distributed, which will long be treasured as souvenirs of the occasion. When the official entertainment was over, there were not many who were not willing to go to bed at once. Adjourned meetings were not the order of the program Saturday night.

Daylight, Sunday morning, found a good number out on the golf links and the entire morning was devoted to golf and tennis. There were, however, some who did not feel that all of their time should be spent outdoors and either made their headquarters, or often visited, the famous Room 12.

We broke up at noontime, after the prize meal of the occasion, and the New York crowd started back via auto, while the Boston crowd again had a special parlor car on a New Haven train. It is too bad everyone could not have gone on that parlor car. There was no time during the whole reunion that so much merriment was crowded into such a short space as on that car. Had he not shown a single film, the performances of the movie operator who went back with us would alone justify his attendance. Charlie Chaplin is bush league material in comparison with Fielding, the movie operator. Can anyone on that car forget the porter and his "Duty must be done?" We have never had a class motto. Mottoes are things that cannot be



## Robert A. Boit & Company

*Insurance*  
OF ALL KINDS

40 Kilby Street

Boston, Mass.



# Financing Your Foreign Trade



Main Office, Court Street

**OUR Foreign Department offers  
every modern banking facility  
for financing international trade.**

**It is always glad to furnish infor-  
mation on trade conditions, and  
the credit of foreign names, and  
to quote, upon request, rates of  
exchange on all countries.**

## Old Colony Trust Company

Boston, Massachusetts

1914 Continued

selected. They come spontaneously and our motto forevermore will be, "Duty must be done."

It is a shame to spoil a report of the meeting with a few statistics, but perhaps these will be so few that you will all be interested in them. Fifty-seven attended. Of these, fifty-two were there the entire time; the others came on Saturday morning. This attendance is particularly gratifying and certainly justifies the selection of a place half-way between New York and Boston. The only question that has arisen is: "Could we not have selected one in the Berkshires that would have been also equally acceptable from New York and Boston and would have brought a few more from the near West?" We certainly could not have found a place more adapted to a reunion and more hospitable than the Riversea Club. If anyone can find a better place for our Fifteen-year Reunion, let him do it.

The real statistics show that just over 70% of the class are married, an increase of 20% during the past four years. Those that are married have enough kiddies to allow one apiece. This is not a fair average because a number of the married group still have none. We have no statistics showing the average salary of the class. It seemed too complicated to attempt to get one that did not divulge too much of one's personal business. The average number of positions held during the ten years has been five, and there are very few at the present time who are really anxious to change their position.

Those attending the reunion were Rauber, Judge, C. H. Wilkins, Hauser, Davis, Fiske, Chatfield, Crocker, Parsell, Atwood, Burnham, Perley, Peaslee, Dunn, Scannell, H. S. Wilkins, Corney, Hines, Perry, Afel, Dorrance, Ober, MacKenzie, Reber, Stone, Borden, Maxim, Wilson, Owen, Ambler, Ricker, Brooks, Ahern, Adams, Townend, Newlin, P. M. Currier, Warren, Derry, Hall, Barrett, Fox, Mitchell, Shaw, Barns, Burdick, Goodwin, Mayo, Harper, Southerland, MacLeod, Dawson, Hadley, Fales, Morrison, Waitt, and Richmond.

"Duty Must Be Done — Head Clear As A Bell!"

1915

FRANK P. SCULLY, Secretary, 118 First St., East Cambridge, Mass.  
HOWARD C. THOMAS, Assistant Secretary, 100 Floral St.,  
Newton Highlands, Mass.

We are going to be particularly fortunate in having our reunion next year. The fact that an All-Technology Reunion is planned

for next June, should insure a very large representation at our own Ten-year Anniversary. We are already starting to work. On Wednesday, May 21, a few of the men gathered at Louis Café to arouse enthusiasm for a class dinner to be held in June of this year, and the suggestion was made to have that dinner on the day of the Olympic Tryouts, June 14, with the thought that a number of the men would attend the tryouts together. By the time this letter is published, this dinner will have been held. The Secretary has reserved forty tickets for the stadium, so that we anticipate a substantial attendance.

There has not been very much news received since the last Review. Casselman writes from the Mellon Institute of Industrial Research, Pittsburgh, Pa., as follows:

"I cannot let George Easter's solicitation in the April, 1924, number of The Technology Review go unnoticed.

"When even Springfield starts writing letters for The Review, it is time for me to lay some of my cards on the table. This being my first formal communication to the Class Secretary, I suppose it should contain an intimate history of myself since I left M. I. T. I am apparently one of the few who have not been discouraged by purely technical work, and become ministers, bankers, brokers, salesmen, dentists, physicians, lawyers, and what nots. I have a long list of former employers, including the International Paper Company, Uncle Sam, the Washington Steel & Ordnance Company, Westinghouse Electric & Manufacturing Company. My present work is in a field in which little technical work has been done, namely, the clay container end of the glass manufacturing business. I am on a Fellowship here at Mellon Institute for the American Window Glass Company. It is one of those opportunities that all technical men dream of for taking hold of a field in which the methods and equipment antedate the Renaissance if not the flood. If I succeed in bringing this field up to a modern standard of practice, I suppose it will be a worth-while achievement.

"Pittsburgh is not the worst place in the world to live, but I have lived in better places. However, they get more high grade music here than in Washington for instance, and they have the only annual International Art Exhibit outside of Venice, so one's cultural life may not go uncared for. Being one of the few "strong men" left (apologies to Duncan, MacRae, Ph.D., '15), I have no horn to blow over a wife and several children. I have lived in several local clubs, and am well satisfied

## 1915 Continued

with the prospects of spending future years in the University Club here. The only '15 man I see is Foote, who shows up at a meeting of M. I. T. alumni here sometimes. I saw Dalton about two years ago, and hear that he is still here, but he never shows up at anything.

"I very much approve of having The Review come out once a month. The closer contact it gives us is a guarantee that important news in the future will come to light much more quickly.

"With best regards to yourself and congratulations."

The announcement of the marriage of Miss Beulah Borden Moody and Earle W. Brown, on Saturday the 10th of May, in Oakland, California, has been received. We extend our congratulations.

## 1916

D. N. BARKER, Secretary, 14 Marathon St., Arlington, Mass.

This is the last you will have as news from your Secretary until next fall, unless I have to write to some of you personally. If any of you fellows will write me during the summer, it will help to get started early next year. I want to thank all members of the class who have helped to make the directory a success, also for what financial aid I received from a select few. Evidently, most of the class are not yet making more than a round million a year, and that I suppose accounts for the fact that only about 100 sent in their dues for this year. If any of you feel you want to do that little thing right now, just make out your check for \$2.00, and forward it to me. We will see that it is used to the best of advantage. With the good help I have received, I feel now that unless something unforeseen comes up, I'll try to keep the notes of the class for the next year unless there is some one else that really wants the job, and then I shall not be greedy. Don't any of you Boston men be bashful if you want to take a turn at the work. Here's hoping that beginning next fall, we can get the fellows around Boston together, and have a meeting once every two months anyway. Let me have your ideas on the matter and I will do the rest for you. Best of luck to you all until you hear from me again.

First of all, I have a letter from John Freeman, who is now located in Washington, D. C., as a Research Metallurgist. John is still single, evidently waiting until he gets back to Providence before jumping over. He writes as follows: "The class has certainly got to hand it to you for keeping everlastingly at it and trying to keep the class together and informed regarding each other's doings. Actions are better than words, so you will find a check enclosed to help carry on the good work. Like many others, I have failed to toot my horn a bit, and tell what I've been up to, for while I have been a research metallurgist at the Bureau of Standards for most seven years, exclusive of eight months in Europe in 1921 partly for the Bureau and partly on my own, I have not yet propounded any new or remarkable theories to claim greatness even unto writing a class letter.

"There is something, however, I would like to say to the class, and that is about my former chief at the Bureau of Standards, Dr. Stratton. It was my pleasure to be in Boston recently, and as a Bureau man, Dr. Stratton invited me to lunch—I say as a Bureau man; that is not the whole story, for I know he is anxious and desires to meet and know all Tech men past, present, and future. He very kindly asked me to sit in at a meeting of the Institute Committee (which was held at the President's house), and to hear Gerard Swope's discussion with the members of the Institute Committee regarding his very interesting plan for increasing the prestige of the Institute, and creating a large

revolving loan fund. After the meeting, an informal buffet supper was served. I emphasize informal, because that is the point I want to bring out. It was very pleasing and fine to note Dr. Stratton's intimate contact with the students and the general unrestrained and informal atmosphere of the gathering. It is the President's very human qualities and a love of young men, that makes possible such contact. I am more confident than ever that through his inspiring leadership, the Institute will go far ahead even of its present enviable position."

Herbert Ellis writes as follows: "My address changes on April 1 from 183 Tod Lane, Youngstown, Ohio, to 1809 Roxford Road, East Cleveland. My work also changes on that date from managing production at the Youngstown plant of the National Lamp Works of the General Electric Co., to that of production engineer of the Large Lamp Works Manufacturing Department of the same company. I will be located at Nela Park in Cleveland, and will have the general production problems of all the large lamp factories to worry about."

Arthur L. Guptill, now located in New York, has sent in a short note: "I know of no news unless I talk about myself, and as I was associated with Tech for only a year, and then mainly with the '15 bunch, what I might say would be of little interest. My time is divided between teaching architectural design and interior decoration at the Pratt Institute, Brooklyn, and doing sketching and drawing of various sorts, mainly architectural. Among this work is considerable book and magazine illustration, so I hardly know whether to call myself architect or artist. At the present time, I am completing plans for a European trip for the summer which will take me to many of the different countries. On this trip, I am to teach sketching. Mrs. Guptill is to accompany me."

One of the long lost sheep has been found up at Berlin, New Hampshire. Just think, only fourteen miles to the Canadian border. Milton O. Schur writes: "The directory you sent recently has been carefully tucked away with the family treasures. During the past five years, I have been with the Research Department of the Brown Company, finding out how little we know about cellulose fibers, and wishing that either the day had seventy-two hours, or that I were triplets. If any of the Course V or X men desire to make use of everything taught them at the Institute, they should by all means get into the cellulose game. We have ten Tech men at Berlin, who share the same opinion. Although Berlin is away out in the backwoods, and a deuce of a place to get to, Professors H. P. Talbot, F. E. Moore, W. K. Lewis, and R. E. Wilson have made the trip to address our Philotechnical Society on their pet hobbies and favorite theories. To listen was to recall the good old days."

G. P. Allen sends us a few words from Florida: "We have had a good season, and are glad it is over. There is so much to be done this summer that I do not expect to get North. We are planning already to be there strong next year."

William B. Leach, now located at Niagara Falls, writes: "The writer is Assistant Manager of the Mathieson Alkali Works, Inc., and commencing to think that he should be married. There are no likely prospects, so eligibles are requested to write. I see Ray Brown in town quite often and recently spent the day with R. E. (Bob) Wilson."

F. S. Kenney is located in Boston: "I am sorry that I am not able to contribute more news for the class, but I don't often see any sixteen men and I myself have been at the school furniture business ever since leaving the Institute. I do wish to say that I think the class directory is a fine thing, and hope it may be kept up-to-date and added to from time to time."

Edwin D. Hale writes us a very interesting letter as you will

# Russell & Fairfield INSURANCE



NINETY NINE - MILK STREET - BOSTON

# ESTABROOK & CO.

## SOUND INVESTMENT SECURITIES

**15 State Street  
Boston**

**24 Broad Street  
New York**

**HARTFORD**

**SPRINGFIELD**

**PROVIDENCE**

**NEW BEDFORD**

*1916 Continued*

observe. Evidently, Eddie is madly in love. "Had some news for you when your recent SOS reached me, but it has not yet been ready for publication. You see a couple of days before, the girl had said 'Yes', but the announcement was not made until March 8. Her name is Faith Prentice of Oak Park. Of course, she is good looking, brown eyes, etc. . . . then she is a very agreeable young lady, a college graduate, has a lot of common sense (notwithstanding her recent concession to the writer), etc., etc. . . . We hope to be married sometime in the late fall. Some of the 1916 men may have been married long ago, but it pays to wait for the best, and when any of the crowd meets 'her,' they will agree with me, I know."

A short note was received from E. A. Ekdahl's family that states that Ekdahl is still in China working for a large packing concern, and will not be back to the states for some time. Business must be much better in China than in this country.

John Burbank, of New York, writes us a few lines: "Outside of Dick Ahearn, who is now in charge of the Estimating Department of the Barney Ahlers Construction Company here, I don't see Tech 1916 men very frequently. Being the new business representative for the firm, it is quite apparent to me that there are no '16 men building their own factories around New York. Dick has a son, who is now four months old, and like all parents, he's certain that this, his first youngster, is the most unusual baby of this generation. Jimmy Evans I usually see at the monthly uptown meetings, among the few '16 men present. We never fail to mention the Twenty-sixth Reunion. When in Boston lately, I had a chat with Bennie Murdough, our erstwhile professor, now an encyclopedia on Truscan Reinforcing Steel. Best regards and good luck."

George Petit sent us a very interesting letter as follows: "I am now located at New Haven, Conn., as structural engineer with the firm of Westcott and Mapes. Having spent considerable time, since graduation, in Cuba, France, and the southwest, I have not come into close contact with the class affairs, and I am hence very anxious to know the whereabouts of the men in our class. I'd like to broadcast through The Review my regards to I. B. McDaniels, Bill Drummey, Bill Farthing, Louis Pratt, and all the rest of 1916."

George Wyman is still with the Holtzer Cabot Electric Co., of Boston. He writes: "You asked for information which might be of interest concerning some of the other boys, but I am

afraid I shall have to admit that I have not seen a 1916 man since our last gathering at the Institute. In reading over the directory, I find myself listed by name only, although you apparently have my address correct. Like many of those who did not send in data regarding themselves, I am still unmarried. I want to congratulate you for the work you have done in building up our section of The Review, and although I know it requires a large amount of work, I hope you will be able to continue the good work."

Duke Wellington has now changed his residence, and is located at West Haven, Conn. Soon he will be back in Massachusetts again. He writes: "Take a look at the number of this check (No. 1) that I am enclosing and you will see the honor I am giving you. I did not send it before, as I was waiting to write you about my change. I have left the employment of Wallace & Tiernan and am now with the New Haven Water Co. I am helping in the sanitary work. I cannot tell you much about the work yet, for I have only been here since the first of May. About a month ago, I was in Providence, R. I., and had a very nice visit with Mrs. Makepeace and Saul. I hope Saul will see this, and if he is ever in New Haven, I want to see him. I went around yesterday to see Kenneth Eldridge, who lives only a short way from me, and found that he was somewhere in New York State on a sales trip. Had a nice visit with Mrs. Eldridge and the children. I might say that they are the proud parents of a four weeks' old son. From the directory I see there are no other 1916 men near here. I have sent a card to the Secretary of the Tech club here, but have not yet heard from him. Here's to all sixteeners!"

Another 1916 man started in business, and this time it is R. E. Naumburg, who has formed the Ren Manufacturing Co., at Winchester, Mass. He writes: "I have started a business of my own, the REN Manufacturing Co., with offices and factory in the Lyceum Building, Winchester, Mass. The product of the REN Company is the REN-Lock, a lock for electric light bulbs. It is a simple device, consisting of only two parts, a coil spring and a grooved fiber ring. It fits any standard bulb and any standard socket. It is simple to attach and is the only burglar-proof lamp lock. Thousands are in use in textile mills, factories, hotels, clubs, apartment houses and theatres. The REN-Lock has been approved by the Factory Mutual Laboratories,

1916 Continued

184 High Street, Boston, and is recommended by the Westinghouse Lamp Works Co., Boston.

"If any Tech men want to know more about the REN-Lock, I would like to get in touch with them."

Sam Ellsworth has finally been induced to write a letter for the Sanitary Engineers of 1916. Here is his news: "If any class can boast of a more insistent secretary than '16 is so fortunate in having, I'd like to know about it. Your first call left me with good intentions, the second with a determination to write, and the third apparently has accomplished its purpose. Congratulations. I can't give you a whole lot of news of myself. I am back for a time with the Massachusetts State Health Department, where we have just completed a study of the pollution of the Merrimac River. What my next step will be, I can't say. I had the good fortune to meet Ben Murdough on the train the other morning. He is married, and is making his home in West Quincy. He is selling structural steel and if appearances count, he is making a success of it. The same day, as I was walking down Court Street, I bumped into Rubin. He was alone, and I naturally wondered where Rosie was. Jesse is in business for himself. If I remember correctly, his line is doors. Charlie Crosier writes me from Cleveland, that he is to be married in May. He was on this way last Christmas, but had not time to call on me, which, to be candid, shocked me more than a little. However, after learning the good news, I sent my congratulations. Charlie tells me that he has seen Howard Green several times in the past months, and that Howard is one of Cleveland's active citizens. While in Jersey last year, I saw quite a little of Alex Blair. He is now the new Town Engineer at Westfield, N. Y. Before signing off I want to ask that if any of this letter gets in The Review, kindly include the first paragraph. If the class ever comes back, as I think it will, we will owe much to your persistent efforts." (Secretary's note: Is this all right, Sam?)

H. C. Bennett is now with the Swiftsure Petroleum Company at Houston, Texas.—Thomas Little is still with the Bemis Bros. Bag Co., located here at Boston.—E. C. Pitman is still with the duPont Co. at Parlin, N. J. At the present time he is working on the new Duco automobile finish.—John E. Woods (Capt.) is still with the U. S. Cartridge Co., at Lowell.—F. W. Bucknam is with the Factory Mutual Fire Insurance Companies as an assistant engineer.

We have two announcements to make. "Mr. George Mc-

Cartney announces the marriage of his daughter, Marjorie, to Mr. Edward Hale Clarkson, Junior, on Saturday, the twenty-ninth of March, 1924, at La Jolla, California."—"The wedding of Miss Eloise McKeen Brown and Dexter North will take place on Thursday evening at 8:00 o'clock at Bethlehem Chapel. Mr. North is a graduate of the Massachusetts Institute of Technology, 1916. Mr. and Mrs. North will make their home in Washington, D. C."

Last, but not least, is a communication we received concerning Bob Wilson. Some time ago, Wilson told us there were too many Barkers in the class, but it's lucky for the Secretary, there is only one Wilson or else some of you other fellows would be left out. This news is from the *Wooster Alumni Bulletin*: "In considering a man as a possible trustee of our college, one must not be influenced too much by personal admiration, friendship, nor record of success, but rather try to decide whether he is particularly fitted for this important trust.

"(1) Will he keep the problems of the college clearly in mind in spite of the pressing demands of business? While he was director of the Research Laboratory of Applied Chemistry at the Massachusetts Institute of Technology, and had about twenty research problems on his hands at the same time, I have seen Bob Wilson interview one man after the other and take up the discussion of his work just where the last interview had terminated several days ago. A man who can pigeon-hole ideas that way can be depended upon to keep the duties of trustee clearly in mind.

"(2) Will he work smoothly with other men? I have heard Bob Wilson warmly advocate a certain point, quickly grasp the full significance of a valid objection and concede the matter rather than waste precious time in defending his own argument. It is a pleasure to work with a man who maintains that open attitude of mind.

"(3) His love for Wooster and constant interest are well known to the alumni.

"In college, Bob Wilson always carried heavy schedules, and still found time for an active part in many campus activities. He was graduated, magna cum laude, in 1914, and two years later he completed his course at the Massachusetts Institute of Technology. During the war he performed notable service with the gas defense section of the Chemical Research Laboratory of the Applied Chemistry. In the summer of 1922 he was called to assume the directorship of research in chemical engineering for the Standard Oil Company of Indiana.

"If Bob Wilson is elected a trustee, I feel sure the board will be strengthened by the addition of his keen mind, and loyal heart."—Signed, C. F. Eddy, '16.

## 1917

RAYMOND S. STEVENS, *Secretary, 30 Charles River Road, Cambridge, Mass.*

Just as it is difficult to get some men into these notes, so is it difficult to keep others from getting disproportionate space. Dud Bell objected strenuously to the use of another pun on his name last month — a pun for which we accept neither the credit nor the blame — and forthwith furnished news. He has purchased and publishes the *Bucks County Independent* of Bristol, Pennsylvania. By its own admission, it is "all that the name implies" and adds modestly "you've read the rest, now read the best." We can now boast of having read the best, but we have no confidence in our ability to describe it adequately. Perhaps it will suffice to say that the *Independent* compares very favorable with *The Tech*.

The purchase of the *Independent* is more significant than is at first apparent. It means that several hats are being shoved from the Pennsylvania political ring to make room for Dud Bell's. Were this an editorial rather than a news column, we would expand upon this fact, for it meets with hearty approval. At least, Dud is not sitting back bewailing the relatively unimportant part given Tech men in the direction of Government affairs. Fortunately his four undergraduate years gave him political as well as technical training. Dud was among those who proved the fallibility of the infallible Review Managing Editor. When a few months ago the 1917 notes were omitted, that oracle claimed the harm he had done would be offset by a flood of letters from men who would otherwise maintain silence. He was wrong. The flood came, but all from men who had been of most assistance in keeping these notes up-to-date. Bill Eddy even constituted himself an investigating committee, and now has a three-inch pile of correspondence covering all the lurid details.

Rumors have reached us of the splendid hospitality accorded Fall River visitors by the McGrady's. Mac is a striking exhibit for sociologists as illustrating the effect of inheritance and environment — he inherits a marked ability as host, but his golf game is with equal certainty the result of environment.



ESTABLISHED 1894

# Ford, Bacon & Davis Incorporated Engineers

VALUATIONS

REPORTS

CONSTRUCTION

MANAGEMENT

115 BROADWAY  
NEW YORK

PHILADELPHIA CHICAGO SAN FRANCISCO

# Don't Collect Time-Tables

Don't wear out shoe-leather "shopping" for railway and steamship accommodations. Don't spend unnecessary money wiring for hotel rooms. When you plan your vacation consult Raymond-Whitcomb, who have a library of time-tables, sailing schedules, steamship plans, hotel- and automobile-rates. With their assistance you will be able to escape a great deal of the pre-vacation wear and tear.

## Individual Travel Service

For all who prefer to travel along itineraries of their own—whether in America or Abroad—however extensive or limited in field or time—the Raymond-Whitcomb Individual Travel Service is of inestimable assistance. We formulate trips, based on your individual choice; we make steamship, railway and Pullman reservations; we secure in advance hotel accommodations; we engage automobiles for short sightseeing trips or for comprehensive tours; we procure couriers and local guides; we attend to foreign consular visas and arrange for baggage-transfer, tips and taxes en route. If you consult with us you will find you will have nothing more to do, except pack, call a taxi and enjoy yourself.

Tours to Alaska, the Rockies, Oregon and the Coast, and to Europe—throughout the Summer Cruises next Winter—Round South America, to the Mediterranean and Egypt, and to the West Indies

## Raymond & Whitcomb Company

Offices and agencies in more than fifty cities in Europe and the Orient

Executive Offices: 22 Beacon Street, Boston

BOSTON  
17 Temple Place

NEW YORK  
225 5th Ave.—606 5th Ave. PHILADELPHIA  
1338 Walnut St. CHICAGO SAN FRANCISCO LOS ANGELES  
112 S. Dearborn St. 657 Market St. Title Ins. Bldg., Room 515

1917 Continued

To see Mac defeat his guests on the links, is to smile, perhaps, but to hear him when the instincts of hospitality and of business clash is to laugh and to marvel.

Dick Whitney is back in New England representing the interests of the American Appraisal Company and apparently dividing his time between Boston and Providence. He has become a fluent conversationalist—we cannot be sure that he talks in his sleep, but if he does not, the grip of Morpheus is all powerful. Time and place do not deter him. At a recent class luncheon, he held forth in grand style, taking upon himself the task of substituting for Phil Hunt, who was scheduled to tell us about his experiences in Labrador. It seems that while the main Hunt tanneries are in the vicinity of Peabody and Salem, Massachusetts, there is a branch in Labrador, and the specialty of that branch is shark skins. Phil has spent some months there, but whether to catch, train or feed the sharks, we do not yet know.

Joe Gargan's headquarters are also in Peabody. With a partner he is the duPont Leather Company, which sews tops on hunting, lumbermen's and other high shoes for the better known rubber shoe companies. He also makes and sells leather-faced canvas gloves, using the "Made in New England" argument to sell gloves of Southern canvas and Western leather. His company is of moderate size, but since Joe has taken it over, he has met with excellent success.—Dick MacLaughlin is with the Angier Mills and as nearly as we can determine, is the Angier technical man. He shows prospective customers how to use to advantage the special reinforced paper, which his company makes.—Ed Rounds was at the Institute recently testing the Wright Company's airplane models in the Institute wind tunnel.—Arthur Benson is with the Atlas Gas Engine Agency of Seattle.—William Fales is with the Alabama Bureau of Vital Statistics at Montgomery, Alabama.—Captain and Mrs. L. L. Clayton announce the birth of a daughter, Elinor Dodge Clayton, on February 9, at Fort Banks, Winthrop.—Professor E. P. Warner suffered an accident in the spring, which prevented his completing the year's lectures in his aëronautical course at the Institute. The accident stopped temporarily the flow of press

clippings about his speeches and honors, only a part of which were his ex-officio as head of the aëronautical work of Technology. The last clipping refers to his chairmanship of the Boston Chamber of Commerce Committee on aviation—Bob Erb dropped in to advertise the Thom McAn shoe. He is one of the chiefs in the new J. F. McElwain Shoe Company of Nashua, New Hampshire, and New York, N. Y. The local paper (of Nashua not New York) says:

"The phenomenal success of the J. F. McElwain Shoe Company, manufacturers of the Thom McAn shoe, and its distribution through a series of chain stores, has already been told in part in the columns of the *Telegraph*. Starting ten months ago to manufacture shoes, the company is today making 3,300 pairs a day. This new industry has distributed in the last ten months over \$500,000 in Nashua through its payroll. The coming year it has already sold and must produce 7,500 pairs daily on an average through the next eleven months, and it is distinctly up to the people of Nashua whether during the coming year there will be a payroll of \$1,500,000 or not."

"Already arrangements have been made for the manufacture of 1,500 pairs daily at Manchester. This is a temporary arrangement provided a new unit with a capacity a little more than double the present production can be erected in this city."

Ed Tuttle and his Blue Diamond wall plaster business prosper. A week after the May luncheon, he dropped in to ask if any class activities were taking place.—Nig Sewell is combustion engineering with Arthur D. Little, Inc. We feel inclined to slip a little propaganda in here but will refrain.—The engagement of Miss Doris Grace Dickerman of Ayer, Mass., and Mr. Bill Hunter of President Suspenders, is announced.

Claudius Roberts was married to Miss Lida Adams at the Church of the Epiphany, Washington, D. C. For details we consulted Ted Bernard and others who should share the fraternal confidence of the groom—but even Blondy Dowell wrote from the scene of the wedding at Washington, "Was glad to hear from you, and in reply to your inquiry of May 10, you probably know more about Claudio than I do. I have not seen him for about three years, and then the last place I saw him, was

1917 Continued

in Norfolk, Virginia. I did, however, receive an announcement concerning his wedding, which was received after the wedding had taken place.

"I understand that he has accepted a position in St. Louis, and I imagine he has already gone there by this time. As you have a copy of the wedding invitation, you have all the information that I have."

"There is no news about myself which would be fit for the July Review."

Dowell was inconsiderate, and did not tell us the news that was not fit for The Review. It must have been quite some news!

Bill Eddy writes us in part as follows: "It is indeed a pleasure to extend to you the privilege of making a modest contribution to advance the work of the Anti-Mosquito Association of Massachusetts, Inc., in advance of our public appeal for funds. The objects of this association you will find stated among the other redundant items listed in our simple but dignified letterhead. They can be summarized as the present pursuit and the ultimate eradication of all the mosquitos of the state." Since the letter at this point becomes very personal, we omitted the reading of the rest of it, and looked over the letterhead, but found nothing of interest there, except that among others on the Directorate is "H. Prescott Eddy, Jr., Boston, Mass." He enclosed a mimeo bulletin telling all about "How to Organize a Local Anti-Mosquito Committee" which says: "In the past, man has fought mosquitos *single-handed* and by such *defensive methods* as the use of screens and citronella. He has often been driven in-doors, giving the SOS signal, — that is, 'screen or suffer.' Science has taught us that by *combined efforts* and by *offensive methods* the fight against the mosquito nuisance can be won. The new signal is to be OSO, which means 'organized scientific offensive.'" Copies of Bulletins can be obtained from said Eddy at 6 Beacon Street, Boston, or directly from the Class Secretary.

Warren Tapley is now at 308 Cabot Street, Newton.—Lucius Hill is with the Flintkote Company, attached to the Sales Division, but acting as a buffer between Sales and Production. His responsibilities include those of Office Manager, and while Loosh was duly modest, we loosened his tongue with a good lunch, and congratulations on his success are distinctly in order.—Goldie (Henry F. Goldsmith) has the procrastination prize for the month. "I still have your letter of four months ago on my desk as a reproach to me. Am not usually so tardy in my correspondence, but the truth of the matter is we have been so confoundedly busy, that none of our stenographers have had time to attend to my personal mail. Now you tell one."

"I have been anchored here for the past two years now, attending to everything but engineering; in fact, I believe I am the Poobah of the organization. The title seems to be contested, so I will not insist on it." He is then, Poobah of the Friedberger-Aaron Manufacturing Company, of Philadelphia, narrow fabrics, etc.

I. Edmund Waechter has left the Brown & Sharpe Manufacturing Company of Providence, R. I., where he was Metallurgical Engineer, and is now connected in a similar capacity with the General Chemical Company at 40 Rector Street, New York City.

The Burlington (Vermont) Free Press stole a scoop on us. It said last March of Paul Demars:

"Through the courtesy of the local branch of the New England Telephone and Telegraph Company, those ill with radio fever will have an opportunity to hear a professional expert talk on the subject of radio broadcasting when Paul Demars, well known in Boston as a radio engineer, gives his lecture at the Chamber of Commerce rooms, Friday night, at 7:30 o'clock.

"Wire Telephony as an Adjunct to Radio Broadcasting" will be the subject of Mr. Demars' address, which will be supplemented by a demonstration with some sort of radio apparatus. Mr. Demars will come to Burlington, Friday, in the interest of his company. Upon being asked to speak before the Burlington Radio Club at the Chamber rooms, he gladly consented, hence there is no expense connected with the instructive lecture.

"Mr. Demars is a graduate of the Massachusetts Institute of Technology, and has been in the engineering department of the New England Telephone and Telegraph Company for some time."

W. I. McNeill writes from 3944 Forest Avenue, Norwood, Ohio, as follows: "I suppose my letter would not have a familiar ring to you unless I began by making excuses for not writing more promptly in answer to your note. As a matter of fact, I was mighty glad to hear from you and I guess Dennie must have been on his job to distribute address changes to the various Class Secretaries at the Institute and vicinity, in so short a time after his visit to Cincinnati. His visit did a lot of real good here in getting the members of the alumni more closely connected with the doings at the Institute."

"Last Friday night the Tech men in Cincinnati gathered at the University Club and listened in with the aid of a five-tube radio set and a loud speaker to the dinner speakers at the New York Club. The program came in very distinctly.

"After next week my address will be Kansas City, Kansas, as far as business is concerned, and Kansas City, Mo., as far as residence is concerned. For the past two years I have had charge of the Accounting Department of the Procter and Gamble Company's plant at Ivorydale. At the Kansas City plant I will become Office Manager. I would be very much obliged if you would ask the Alumni Office to change my address to The Procter and Gamble Mfg. Co., Kansas City, Kansas. Do you know of any '17 men in Kansas City or vicinity? I expect to be a bachelor for at least a month until my family arrive and would like to look up any fellows from the Institute, who may be in the vicinity.

"The accounts of your get-togethers sound good and I wish it were possible for me to attend some of them. There are no 1917 men in town that I know of, but we have about six or eight Tech men at the plant in Cincinnati, and have had a number of dinners, golf parties, etc., in addition to the regular Cincinnati Tech Club meetings.

"If you know of any fellows who hit Kansas City in their travels, be sure to have them look me up, and I will try and show them how Ivory Soap becomes 99 44/100 % pure — and also renew old times."

Professor Locke sends us the following excerpt from a letter of William M. Shiozawa, of the College of Science and Engineering in Waseda University, Tokyo, Japan: "In Tokyo the fires broke up in eighteen places as soon as shock comes. Unfortunately, as almost all water pipes were destroyed by the first shock, there is no other way but to leave it to the course of events. So that the fire spread all over the city except western part. In Tokyo Imperial University, the fire broke up from the Department of Applied Chemistry, and about two thirds of the buildings which belong to the University are burnt. The Department of Mining and Metallurgy escaped from the fire, but was destroyed by the earthquake quite severely. Our University also had a fire which broke up from the Chemical Laboratory of the Department of Applied Chemistry just same as Imperial University, but fortunately we have no any damage in other departments."

"I am glad to say that my family all escaped from the hurt and also the fire, as we live in the suburbs of Tokyo. When a

## WE HAVE BEEN HELPING OTHERS KEEP THE B. T. U. WHOLLY FOR THE PAST 30 YEARS.

HUNDREDS OF TECHNOLOGY MEN KNOW AND ENDORSE OUR WORK AS OF THE HIGHEST GRADE. MAY WE HAVE THE PLEASURE OF SERVING YOU TOO?

**NIGHTINGALE & CHILDS COMPANY**  
205 CONGRESS STREET - BOSTON, MASS.

CONTRACTORS FOR ALL KINDS OF HEAT AND COLD INSULATION



## The essence of the heating question

THE essence of the heating question is *research*. To keep always ahead - to think - to plan - to advance the art - all these have been part of the Dunham Idea since 1903 when the field of heating was revolutionized through the invention of the Dunham Thermostatic Radiator Trap - the first of its kind, and the forerunner of a host of imitative devices which have sought to rival, but have never equalled, the product of

C. A. Dunham Company.

*Constant study—unceasing improvement—continual development—have placed the products of the Dunham Company in the lead—and kept them there*

**C. A. Dunham Co., Chicago**

Boston Branch Sales Office: 136 Federal Street

Telephone: Main 7663

F. D. B. Ingalls, '01, Mgr.

1917 Continued

great shock comes, I thought it is a little stronger than that one usually we have. But I was astonished when I saw my house slightly incline and one of the house across the street almost fell down. After this great shock, we have had some weak shocks continuously for two days — still two or three times a day."

Who says Tech men do not follow the professions they studied as undergraduates? *The Seattle Post Intelligence* gave the full front page of its Society Section to Irving B. McDaniel's play and music for the Navy Relief, "Pung Chow of Po, a Musical Mah Jonggesque." It even publishes I. B.'s picture, piano and all. We call your attention particularly to this gem from the *Intelligence's* long review. "The book, words and music were written by Lieutenant Irving B. McDaniel, U. S. N., who has a long string of successes to his credit. During his five years at Boston Tech, he wrote the five annual productions!"

1918

P. W. CARR, Secretary, 400 Charles River Road,  
Cambridge, Mass.

This issue of The Review will appear after the termination of the series of monthly class luncheons. That they have been an unqualified success is beyond dispute. There are some men in this vicinity who have not yet had their class spirit awakened to the pitch required to get them out to the gatherings. However, the men who have turned out have been enthusiastic enough to warrant plans being made for another series of similar affairs starting in the fall.

The mail of the recent past brought to my desk the following:

"Mary Louise, April 22, 1924; Mr. and Mrs. William P. Ryan." Who'd have thunk it; our own Bill a daddy? I'm sure the entire class join me in most hearty congratulations to Mr. and Mrs. Bill.

"Mr. and Mrs. John Dewey announce the marriage of their daughter, Jane Mary, to Mr. John Alston Clark, on Saturday, the twenty-fourth of May, Nineteen hundred and twenty-four, New York City." Rumors of the approaching event have been floating around for some time, but were of course entirely discredited. Said J. A. Clark is sure one cozy guy, and very efficient into the bargain.

A letter from Stuart H. Caldwell from 529 Stowell Avenue, Milwaukee, Wis.:

"The first, last, and about the only part of The Review that I look at is the 1918 class notes. So forgive me if I drop my bit.

"I'm a man in a strange country now, and feel with the rest that those living in the same neighborhood do not see enough of each other. Any regular get-together appeals very strongly to me.

"About this time last year, I left good old Beantown to open a Chicago office for my concern. Upon the completion of that task, opportunity grasped me rudely by the shoulder, and now see where I am — Milwaukee — Gott in Himmel! But aside from politics, it really is a wonderful place, and I sincerely hope that all those that pass this way will honor me with a visit in order that I may have the pleasure of proving it."

We received an invitation to the wedding on May 24 in Hartford, Conn., of Julie Leonard and another one of those wonderful girls. It is greatly regretted that the invitation disappeared very mysteriously so that more intimate details are not available. More than that, it is regretted that we were unable to attend. It is going to be a simple matter to take a census of the unmarried men in the class almost any time now.

Frank Alvah Travers, who is now in Sunny California with Mrs. Travers, and spends some of his time extracting money from the oil game, very graciously remembered to send us a copy of an announcement, stating he had recently become a proud father. The announcement disappeared with the above-mentioned invitation. Nevertheless, our very sincere congratulations go out to both Julie and Frank.

From the Providence, R. I., *Journal* for March 30, 1924: "Mr. and Mrs. Milton I. Deane, of Purchase Street, Fall River, have announced the engagement of their daughter, Miss Helen Floyd Deane, to Alfred B. Vought of Brooklyn, N. Y. Miss Deane, who is doing research work at the Rockefeller Foundation, announced the engagement first to a small group of friends at a tea at the Biltmore. Mr. Vought is a graduate of the Massachusetts Institute of Technology."

From the Hollywood, Calif., *News* for April 16, 1924: "Club and Private Home Interest Architects: According to the Southern California chapter of the American Institute of Architects, two

1918 Continued

of the most interesting examples of typical California architecture for 1923 are the Ojai Valley Country Club, near Ventura, and the Pasadena home of Mrs. M. L. H. Walker. Wallace Neff, prominent architect of Pasadena and designer of these structures, was recently awarded two certificates of honor by the California architects for this work.

"Mr. Neff, who is well known throughout the state for his distinctive works, particularly in residence architecture, received his early training in Italy and Munich, where he studied under several of the most prominent European architects. Upon returning to America, he entered the Massachusetts Institute of Technology to complete his technical education before coming to California.

"The Ojai Valley Country Club, situated near Ventura, is said to be one of the most interesting modern Spanish architectural creations in California. It is a low, rambling hacienda type structure with red tiled roof and flagstone terraces. In this piece of work, Mr. Neff is said to have realized the successful adaptation of his architectural scheme to the environment, the building being perfectly harmonized with its surroundings. The President and founder of the club is E. D. Libbey of Libbey cut glass fame, formerly of Toledo, Ohio, now of Ojai.

"The Walker residence in Pasadena, which won Mr. Neff's second award, is also done in the Spanish style. It is chiefly notable for the interesting way in which the architect has avoided severity and plainness without departing from pure Spanish motives."

Here's a letter from Jule Avery: "I suppose I must consider myself one of the worst of our class slackers as far as correspondence goes, but when I read in the last issue of The Review, that somebody down in Texas took the prize for distance, I felt that I must accept the challenge. As you will see from the letterhead, I am now located at the Norwegian plant of a Canadian Electro Metallurgical Concern, but I suppose I should tell my story in logical sequence.

"After getting out of the Army in May, 1919, I took a job as student employee with the Union Carbide Company, of Niagara Falls. Their plant is probably the best electric furnace plant in America, and I found two years' work there as a student very fine experience. The work was so interesting that I very soon made up my mind to continue with it, and have done so ever since.

"Following my student course (during which I worked as a laborer at practically every job at the plant) I was given work of increasing scope and interest, until last summer I was playing around with the production of special Ferro Alloys on a commercial scale.

"At that time this Canadian corporation had accepted a contract to do some smelting for one of our associated companies, and since they had to start up an entirely new plant with an inexperienced Norwegian organization, a couple of men were sent over from our plant to help out. I arrived last September with the expectation of being here six months, but it looks now as though I shall finish out at least the present year.

"We are located in a rather isolated village near Stavanger, and although our own community is naturally quite small, an occasional business trip to England or pleasure trip to some Norwegian City effectually breaks the monotony.

"I am sorry to have missed the class reunion last year. I fully intended to go, but unfortunately my boss at Niagara wanted to go back for his Tenth Reunion at the University of Pennsylvania, and I had to give way. I therefore look forward with great anticipation to attending the next one we have, if it is at all possible. In any event, I shall look you up when I come back to the U. S. A., and hope to see some of the fellows then.

"Probably you will remember Rolf Knutsen of Course XIV. I wrote to him on landing in Norway, and we have since corresponded, but so far have been unable to get together for a meeting. Unfortunately, he has been quite ill for a long time, but writes that he is now feeling much better. I expect to see him within a month and it certainly will be a great pleasure. By the way, he tells me that the Technology Club at Kristiania has just been organized, and I expect to drop in there before long.

"Wish you could try the Norwegian national sport — skiing. It is without question the finest sport I ever tried, and it alone goes a long way toward making me like Norway.

"It is hardly fair to ask one as busy as yourself to write to me, but I certainly will appreciate some dope concerning our friends, who are around the Institute. I understand there are a lot of them there.

"Will try to get my next letter in within less than five years.— With best wishes to yourself and such of my friends as you see."

Gretchen crashed through with the following interesting note with its valuable expressions of opinion. Let us have more of them.

"I note that it has been months since I have written you, but when there is no news coming in from the gang, what can I do. I will not, under any circumstances, just write a letter of my own doings which are entirely without the range of the Institute affairs now.

"As far as the monthly class luncheons are concerned, you know as well as I do, that there are not enough of the girls around here that have class spirit to try to make you fellows change your meeting place. I must confess that I do wish sometimes that it was being held where I could attend once in a while.

"I was very much surprised to see only one of the 1918 men at the Tech Show on alumni night. Perhaps there might have been others there on other nights, but I should have thought they would have shown up the night that they were supposed to. I never saw a Tech Show where class spirit was lacking as there was at the one this year. What has happened to the fellows? Think they're getting too old to show a little bit of the spirit that they used to show in the days when we were at school? I know that we are all getting along in years, but none are getting along any faster than others, so why shouldn't we all keep young. A person is no older than he feels, and why should we feel any older than we did when we were in school. There is no reason in the world why we should.

"Now, as far as the ideas you asked me to broadcast, for myself let me say that I would attend the luncheon if such a thing were made possible for me to do. My alumni dues are paid up; my Endowment Pledge is all paid, and, as far as a dollar is concerned, I am enclosing that now.

"You ask for ideas about an annual reunion. I would like to see such a thing worked out. I see no reason why it shouldn't. I do not mean a whole week-end party such as we had last year, but a dinner-dance somewhere each year, which the Boston gang, anyway, could attend and anybody else who wanted to come on for it. Keep the week-end parties for the five-year intervals. You see, we are already starting toward our ten-year period now, and we must begin to save for that. There is one thing I hope that this class will not try to spring on us and that is a stag party. I know that some of you unmarried fellows might like that, but, I really feel that the wives had such a good time last year, that they are all ready and willing to go again and would feel hurt if they were left out. I know that I should put up an awful fight if you should start anything like that. We had



## Make Sure It's Pure

The water you use for process or product must be scientifically distilled. The least costly, most efficient way to produce safe distilled water is by the use of one or more

### BARNSTEAD WATER STILLS

Capacities from 1 to 100 gallons per hour

Heated by electricity, gas, steam or kerosene

*Send for Barnstead Handbook*

**Barnstead Still and Sterilizer Co., Inc.**

16 Lanesville Terrace  
Boston 30, Mass.

ONLY DISTILLED WATER IS CHEMICALLY PURE

1918 Continued

a reunion to be proud of last year and let us follow up what we have started.

"Say, why doesn't our friend, John Allston Clark, announce his engagement to us?"

"Shorty, if I can assist you at any time in getting things out for meetings, etc., I should be glad to, as I am sitting around the office here very frequently doing nothing."

1919

PAUL D. SHEELINE, *Secretary*, 35 Congress St., Boston, Mass.

As these notes go to press, it is with the fervent hope of your Secretary that they will reach you in printed form before the dates of our reunion on June 27, 28, and 29.

In speaking of reunions, we are reminded of a recent novel of college life, the author of which is none other than our Freshman English Instructor, Percy Marks. We cannot help quoting from the closing pages of his book, "As the underclassmen departed, the alumni began to arrive. The five-year classes, dressed in extraordinary outfits—Indians, Turks, and men in prison garb roamed the campus . . . the alumni ranged all the way from one-year men to the fifty-year men, twelve old men who had come back fifty years after their graduation, and two of them had come all the way across the continent. There had been only fifty men originally in that class, and twelve of them were back.

"What brought them back? . . . College was far from perfect, far from it—a child could see that—but there was something in the college that gripped one's heart. What faults that old college had—but how one loved her."

Do we feel that way about the Institute? Some of us do, but how many? Do we realize that in the few brief days of reunion we will be as near to recapturing that youthful thrill that is gone forever as we ever will be. For three days we will try to forget our troubles and pass our time in the thrill of being together again and in exchanging reminiscences. Those who do come back will be amply repaid.

We quote from Broadcast No. 2 as follows: "Among those in addition to the Committee of seven men, the following will be on hand: Art Griffin, Russ Hubbard, Roger Leland, Fred Britton, Charlie Parsons, Russ Palmer, A. B. Stauback, R. S. Holmgren, Don Way, Gene Smoley, Harold McIntosh, Max Untersee, Irvin Kenison, Henry Whiton, and Fred Lee. Communications have come from classmates in Greece, Sweden, South Africa, the Philippines and the West Coast, acknowledging receipt of our broadcasts and expressing regret at not being able to attend the reunion."

The following is a letter received from Carl H. Pierce, on the letterhead of the Puget Mill Co., Port Ludlow, Wash., whom we all remember:

"It sure makes me homesick to be way out here at the end of the world and to know that I will not be able to join you all at the big time at Duxbury.

"As you will see, my address has been changed to Port Ludlow, Wash. I have notified the Institute of this change in address, but they have overlooked it and my mail is still being forwarded from West Newton, Mass.

"Remember me to all the boys, especially those on the swimming team during our freshman year. I hope and know that you will have a wonderfully good time at the reunion, and wish that I could be with you."

From the news clippings we learn that Lawrence Dalton is to marry Miss Doris McGraw, on June 24, at Minneapolis, Minn. Larry is now connected with the Link Belting Company in Philadelphia, where he is Cost Estimating Engineer. Miss McGraw is a Western girl and resides in Minneapolis. She is a graduate of the University of Minnesota and last winter took a post graduate at Columbia.

Announcement is made of the engagement of Miss Bertha Angeline Wooding of Grove Hill, Kensington, Conn., to Harold Nelson Loomer.

On May 3, the marriage of Miss Winifred Marianne Dodge, Smith, '22, of Newton Centre, to Roderic Miller Blood, was solemnized.

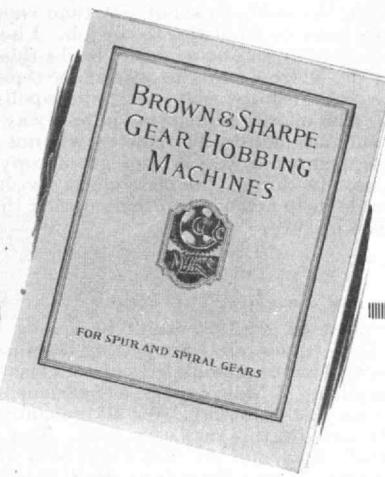
From New Hampshire we hear of the wedding of Miss Marion Clara Theller and Philip Russell Payson.

Announcement has also been received of the marriage of Miss Adelaide Guion of Newton to Mr. Eaton Webber of Cleveland, Ohio. The bride is a graduate of Smith College, Class of '22.

Miss Edith Clarke of Ellicott City, Md., was the only woman attending the sessions of the American Institute of Electrical Engineers in Philadelphia. Miss Clarke is a transmission expert with the General Electric Company at Schenectady.

A daughter, Dorothy Eleanor, was born on April 29 to Mr. and Mrs. Leon H. A. Weaver, at Weehawken, N. J.

W. S. Burbank writes as follows from Calumet, Michigan, c/o Mr. B. S. Butler of the Calumet & Hecla Copper Co.:



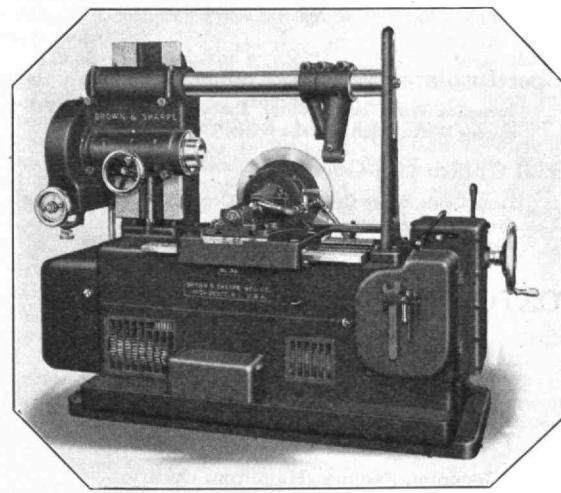
## Better Gears and More of them

**T**O give high quality, silent running gears in large quantities, Brown & Sharpe have developed two Gear Hobbing Machines—the No. 34 for spur gears only and the No. 44 for spur and spiral gears.

These machines meet the most exacting requirements of modern gear users and are particularly well adapted to automotive work where they accurately and economically are used to cut transmission and timing gears.

In order that you may appreciate the mechanical features of these machines, we have prepared a booklet which gives many of the advantages you can secure by their use. A copy will be gladly sent to you upon request.

**BROWN & SHARPE MFG. CO.**  
Providence, R. I., U. S. A.



1919 Continued

"I have recently been transferred from Washington to Calumet and expect to have a rather long field season, probably until late fall or winter. I find that with my other work, and especially while in the field, I cannot put time enough on the collecting of class notes to do justice to the job. I hope you will not have any trouble in finding someone to do this work."

"I will send the address cards to you under separate cover."

"Possibly George Fleming, who is at Indianapolis, would be willing to help, as he offered to help me in any way he could."

During the summer months The Review will not be printed, so don't be disappointed if you do not get a copy for a few months after this. In closing, the class officers wish to express their thanks for the help extended to them during the past year by all of the Class of 1919.

## 1920

KENNETH F. AKERS, *Secretary*, 54 Dwight St., Brookline, Mass.

Dear Gang: Just so old 1920 won't be among the missing when this July issue comes out, I am getting together what very few notes of interest I have accumulated since our last appearance.

The announcement of Malcolm Lee's engagement to Connie Nelson came to me just yesterday. We all remember Connie as one of our fair co-eds (in this case very fair). Now I am going to tell tales out of school, and say that I met both Malcolm and Connie up at Ferncroft one Saturday. Both were sober (and so was I) and I had a hunch that an engagement was on the books.

Harold Goodwin I see once in a while, chiefly I guess because his fiancée lives on my street!

George P. Morgan writes from Texas again, and asks me to go on a wild goose-chase for a lost picture of the Civil Engineering Society. His copy was burned up in a fire in his rooms. The old concern that took the picture went bankrupt and so he can't get it from them. Too bad for G. P., but a good thing for the Civil Engineering Society!

Al Burke was married on March 8 to Elizabeth Wood. Al is working in New Britain and they will make their home there for the present.

Larry Boyden is back in Boston, and is now working for The Factory Mutuals. One more good man in a good business, the insurance game!

Had lunch with Homer Howes a few weeks ago. He was on

from St. Louis for the Bemis Bag Co., with whom he is still affiliated.—I hear that Ned Murdough has gone into the advertising game and is done with engineering for good. Is that right, Ned?—Jimmy Wolfson says that he was the one referred to in Dole's letter in the last Review as among the bulls and bears of the New York money market.

I am ashamed of these notes, but I had very few letters and most of these item are from hearsay.

## 1921

RAYMOND A. ST. LAURENT, *Secretary*, 427 Oliver St., Whiting, Indiana

CAROLE A. CLARKE, *Assistant Secretary*, 55 Tiemann Place, New York, N. Y.

A movie thriller for a starter this month, following with news mostly about engagements and weddings. You are not in step unless you get pinched, shot (in either of two ways), engaged, married or become a proud father or grandfather.

Not having a first-hand story on this movie thriller, the livid words of the report of the Norwich, Conn., Record are quoted:

"With five wounds in his body and two shots lodged in his left arm, Doane Greene, of New London, is recovering at the home of a relative here, after an experience with a madman along the highway near Lewiston, Tuesday. Greene, a former captain of the swimming team of the Massachusetts Institute of Technology, raced his automobile sixty-five miles for medical aid after being shot by the madman.

"More than fifty shot marks in the side of the auto, a smashed mirror and chipped metal parts told vividly the story of the athlete's escape. Greene saved his own life and that of a companion by guiding the automobile down an incline and out of the range of fire.

"Greene was en route to this city from Roaring Springs, where he was employed. Twenty miles west of Lewiston, Greene said yesterday, he hit a bad piece of road near a sharp decline and found his way partly blocked by a road drag, and an automobile marooned in the mud.

"As he decreased the speed of his car in order to get around the blockade, he says there was a sharp report and Greene's left arm that had been resting on the side of the machine, was pushed from its resting place and fell helpless at his side.

"Greene first believed that he had encountered a blasting operation and had been struck by flying stone which had fractured a bone in his arm.

"Unconscious of the fact that blood was flowing from his cheek, the back of his head, his hand and arm, Greene leaped from the machine and hurried down the road in the direction of the road drag, believing that the road repair men had set off the blast without warning. Greene was about to demand an explanation when one of the workmen held up his hand from which blood was streaming. He, too, had been shot by the madman several minutes before.

"The man who fired the shot had been acting peculiarly for several days, according to neighbors, and Tuesday he entrenched himself in his home near the road and opened fire on all who passed. The shells were loaded apparently for bear hunting, and carried a death-dealing charge.

"One bit of lead furrowed deep in Greene's scalp at the back of his head. Two lodged in his left arm, another tore open his left cheek and the fifth penetrated the thumb of his left hand. Deep scars in the side of the auto and chipped pieces of metal framework of the machine, show vividly the force with which the rain of shots was carried."

Doane is manufacturing decolorizing carbon and his address is Box 53, Roaring Springs, Pa.

And now here are some notes Cac sent in:

"Men of 1921, you have . . . taken wing from the sheltering nest of the last four years to reap much deserved success in widely differing fields, and to shower your Alma Mater with all the added glory in which she must also share." So said we in the first installment for The Review in November, 1921, little thinking then how much would be realized in the scant three years since the class picnicked and baccalaureated together. And what more fitting than to record in the closing issue of the third volume in which our numerals appear how one member of 1921 has taken wing to success and thereby "made" the first pages of more newspapers than the alumni radio dinner last March.

Herbert Von Thaden, II, representing the Detroit Aviation Society, barely missed finishing among the first three when, in the National Balloon Race which started at Kelly Field, San Antonio, Texas, on April 23, he landed near Dubuque, Iowa, after having covered a distance of 1003 miles in thirty-four hours, which was just eighteen miles less than that covered by the winner of third place.

*The National Aeronautic Association Review* says: "His aero-



### Rubber Insulated Wires—

Including Wires for Buildings, Railway Signal Wires, Telephone Wires, High Voltage Wires, Car Wires.

### Special Cables and Cords—

Deck Cable, Stage Cables, Lamp Cords, Elevator Lighting Control and Annunciator Cables.  
Automobile, Ignition, Starting and Lighting Cables.

## BOSTON INSULATED WIRE AND CABLE CO.

Dorchester District

BOSTON, MASSACHUSETTS

Canadian Factory, Hamilton, Ontario



Ask for  
Specification No. 2053  
for your files



Simcore wires and cables are subjected to voltage tests ranging, according to size, from  $33\frac{1}{3}$  to 100% in excess of underwriters' requirements; they have a smooth finish, are easy to pull in and can be delivered quickly. Simcore is safe and gives satisfaction.

## SIMPLEX WIRE & CABLE CO.

MANUFACTURERS

201 DEVONSHIRE ST., BOSTON 9

CHICAGO SAN FRANCISCO NEW YORK

*1921 Continued*

nautical activities have been wide and varied. In addition to army experience, he has carried on experimental flying and laboratory work for the National Advisory Committee at Langley Field, Va. He was technical assistant of the English Air Ministry, and studied aéronautics in France and Germany." Thad, who was accompanied by S. A. U. Rasmussen as aide, piloted a balloon of 80,000 cubic feet capacity. He is in the engineering department of the Aircraft Development Corporation, General Motors Building, Detroit, Mich., and should be able to provide good material for a feature story in a future issue of The Review.

"S. Paul Johnston, II"—we would like to run that in seventy-two point red just to give some idea of our appreciation of the first absolutely unsolicited letter received from a '21'er in a long time. Sam came across with two pages of closely typewritten matter from which we excerpt the following: "Having had my conscience stung repeatedly in the past by requests for info both through the mail and the class notes in The Review, I am taking advantage of a fairly light afternoon to do something towards relieving the above-mentioned condition, and offer the following dope.

"After leaving the Institute and, after a short but very uneventful career with an engineering material sales agency in Pittsburgh, I fell in with the United States Aluminum Company and have been doing time with them ever since. The first seven months I spent the time in the plant at New Kensington, Pa. In the middle of 1922 I was moved to the Pittsburgh office as general roustabout for the Vice-President in charge of production. In March, 1923, I was transferred to the Massena Works for a shot at the wire, rod, and cable game at which I am still engaged at the present writing. My particular interest lies in the so-called strong alloys of aluminum,—alloys of the duralumin type. I have charge of the production of these alloys into the many commercial forms in which they are now being used,—bar, rod, wire, etc. The uses are growing rapidly and there is much to be learned in connection with their manufacture.

"So much for that. I am glad to say also that I can now answer 'Present' when the class roll is called for married members! The event took place last December 28, at the Lafayette Presbyterian Church of Buffalo, N. Y., and the lady in the case was Miss Carol B. Rhodes, Wellesley, '23. We are now at home

at 14 Church Street, Massena, N. Y., (mail address, Box 54, Massena, N. Y.), where we would be glad to see any wandering Techites who might happen into this neck of the woods.

"About the only ones of the class I have seen are Walter Jayme, whom I ran into in a crowded elevator in Pittsburgh some time ago; Barker, II, at a meeting of the Technology alumni in Pittsburgh about a year ago; and W. W. Frymoyer, whom I have seen twice, once in Washington where he has been with the Bureau of Standards on aéronautic instruments, and once in Pittsburgh when he was en route for McCook Field to do some test work." Many thanks, old man. And let's hope some of the rest of you get over that bad attack of modesty and come across with some live news during the summer in time for our grand fall opening on these pages!

The regular luncheons for those of 1921 in the vicinity of New York will be continued through the summer. As previously announced, these luncheons are to be held at the Technology Club, 17 Gramercy Park, at 1 p.m., on the second Saturday of each month.

The April luncheon was attended by sixteen and the May affair by nineteen of the class. Among the newcomers were: L. O. Buckner, VI-A, American Trona Corp., 36th Floor, 233 Broadway; J. S. Cumming, VI, New York Telephone Co., 104 Broad Street; W. W. Brown, VI, Western Electric Co., 463 West Street; C. L. Chatham, VI-A, Public Service Electric Co., 80 Park Place, Newark, N. J.; C. F. Longfellow, Jr., VI-A, American Telephone & Telegraph Co., 195 Broadway; D. J. Swift, X, United Electric Light & Power Co., 54 Cooper Square; E. Pauli, XV, 430 East 65th Street; P. T. Coffin, VI-A, Public Service Electric Co., 86 Park Place, Newark, N. J.; C. B. Nelson, XIII, 48 Sommer Avenue, Maplewood, N. J.; H. L. M. Schmidt, XV, Lord & Taylor, 35th Street and Fifth Avenue; R. B. Donworth, XV, Dwight P. Robinson & Co., 125 East 46th Street; M. C. Hawes, X-A, Quality Laundry Service, 318 East 23rd Street; J. W. Barriger, XV, 47 Lincoln Avenue, Newark, N. J.; A. P. Munning, X-A, A. P. Munning & Co., Matawan, N. J.; N. W. Hunter, I, Underwriters' Middle & Southern States; W. S. Ross, VI-A, Room 1756, 50 Church Street; C. A. Norton, XIV, Radio Corp. of America, 66 Broad Street; R. M. Raphael, X, Tech Club, 17 Gramercy Park.

Blue is the dominant motif of the card announcing the arrival of an embryo electron expert of the future vintage of

1921 Continued

'45, — "Mr. and Mrs. H. P. Field, announce the birth of Harry Peyton, Jr., on April 9, 1924, — weight 8½ pounds." Course VI is not alone in voicing congratulations.

About August 1, mail for the Asec (otherwise Cac Clarke) should be addressed to the Northern Electric Company, Ltd., 121 Shearer Street, Montreal, Canada. The Asec will still be rooting for the Bell System as transmission engineer for the Canadian house of the International Western Electric Co. Postage to the Dominion is the same as in the U. S., so don't forget, — DO IT NOW!

## 1922

ERIC F. HODGINS, *General Secretary*, Room 3-205, M. I. T., Cambridge, Mass.

### Course II

J. E. SALLAWAY, *Secretary*, 125 Cushing Ave., Dorchester, Mass.

The smoke-filled room in the Y. M. C. A. of Norwich, Connecticut, is the concrete result of the latest exhortation of the gencsec to get in a few notes concerning Course II. Behold the product of two decks of Camels and several sallies into the outside world. The only right Norwich has to be famous is that it put on the Tech Show 1924. The town is still talking about it, and is still wondering how those Tech boys work so hard with all the beautiful co-eds around that were in the show.

Tommy Thomson is way out in Casper, Wyoming, working for the Standard Oil of Indiana. He missed the Teapot Dome scandal by forty miles, but his personal well produces ten times what the Dome does, so Tommy is not worrying a bit about Government investigations. He is estimating costs for new equipment daytimes and he claims that things are not so slow as one would expect at night. Charlie McGrady is working with the same outfit checking in the drafting room. I met Dan Reed at the Textile Show last spring. He is with the Doody Vapor Heat Co., 46 Cornhill Street, Boston, in the mill heating and ventilating line. Dan has been leading the double life for quite a while. He had the dope on Phil Hastings, who is working in Cincinnati with the Proctor & Gamble Co., making soap 99.44% pure. Dan claims that Phil's job is to make it float. Johnnie Hayes has shifted to the Draper Company, so that it looks as if the old thesis mates are still at it together. Tommy West

has been with the Draper Co. for about six months. Web Ramsey is with the Worcester Envelope Co., Worcester, Mass. Ray Burrus is way out in St. Louis, Mo., working for the Fulton Iron Works, and has taken to himself a permanent partner. No more data at hand.

Old Dynamometer Spaulding has been heard from again from out the wilds of the Big City. He is living at the Tech Club, 17 Gramercy Park. Dyno has forsaken the sea and anchored with the Shipley Construction and Supply Co., erecting and repairing York refrigerating machinery. He has heard from Al Southam, who is still teaching at Bowdoin. Mr. Popoff and M. W. Williams are recent names on the Tech Club register.

Ham Williams was recently seen at the Tech Show in Hartford. Ham is still the same old social bearcat and is earning a splendid living (still single) with the Gilbert Clock Co., in his home-town, Winsted, Conn. Mal McGhie attended the Tech Show in New York and is working with the McGraw-Hill Co., Inc., in New York City. More power to you, Mal.—Larry Washington was among those present at the festivities at the Hotel Astor on March 18.

I rode on the train recently with Tubby Hillard from Westerly to New London. Tubby is with the New York Telephone and Telegraph, and is living at 254 N. Grove Street, East Orange, N. J. He has been married since last Thanksgiving. Harold Bull is also with the New York Telephone and Telegraph. Chuck Comey can be classed as a prospect for the married men's baseball team in 1927. He has been eligible since last January.

Easty Smith has a connection to be proud of. He is experimental engineer with the Mack Truck Co., Allentown, Pa. His job is to try out all new ideas and invent lots of others. No wonder he is busy.

We have K. C. Ku to thank for information concerning eight of our Chinese coursemates. Ku spent a half year in studying the physical properties of raw silk at the U. S. Testing Co., and Schwarzenbach Huber Co. Since May, 1923, he has been connected with the Baldwin Locomotive Works at Philadelphia, designing locomotive boilers. We are very grateful to Ku for his interest in submitting the lines below.

"C. S. Chen has been designing automobiles since graduation with the Buick Co., Flint, Mich.—C. T. Chien took the aéronautics course at Tech after the summer of 1922, and at the completion of that course, went to Long Island to learn to pilot. Recently he gained some experience in aéronautics design at Kinkham Products Corp., Garden City, L. I.—T. Ho returned to China immediately after graduation and has been connected with the motive power department of the Shantung Railway System.—H. Kao is interested in art, motion picture business and design of internal combustion engines. He is with the Ford Motor Co., at Detroit.—Y. H. Li gained some power plant design experience in New York City, and is now working on heating and ventilation problems with the Honolulu Iron Works of the same city.—C. F. Lo joined the Foos Gas Engine Co. at Springfield, Ohio, for a few months and was with the Ford Motor Co. some time before he enrolled in the training course of the Allis-Chalmers Manufacturing Co. at Milwaukee, Wis.—Y. L. Ta entered the New Bedford Textile School as a special student for six months and joined the training course at the erecting shops of the Baldwin Locomotive Works for a year. He is now with the Sinclair Oil Refining Co., Marcus Hook, Pa., making electric wire diagrams for sub-station work."

Izzy Loss added quite a contribution to this month's notes in a letter from 30 Roslyn Street, Salem, Mass. He is working in the compression engineering department of the General Electric Co. at Lynn, Mass. Sam Black is in the turbine department and Jim Zurlo is research man. Jim is the proud owner of a Nash with balloon tires that is quite the article for the other '22 men to drive around in. Al Kroog is on the road selling turbines now and then. But more interesting still is the happy father of a new acquisition in the infant line. Many thanks to Izzy for the above notes.

I can't seem to help bumping into Howie Howe and Van Vangieson in this Connecticut territory I am covering. I met them recently in Hartford with Ken Akers. They all seem to be very well established socially in their respective territories. Van particularly seems well acquainted with the type of men that are depicted as wearing high hip boots.—Andy LaPenta is with the Fuller Brush Co. in Hartford. Andy Anderson works for the Whitlock Coil Pipe Co. of Hartford, when he is not playing bridge with the Course Secretary. Ham Hammond is a member of the firm of Pratt & Whitney, Hartford, living at 190 N. Whitney Street, Hartford. Mac Macomber has a new address: c/o Gorman-Brown Engineering Company, 40 Rector Street, New York City. Sorry, but that is all we know. Police records are so incomplete. The same can be said about Lewis Hill, 524 N. 3rd Street, Steubenville, Ohio.

# LAPS THAT NEVER LOOSEN

Considering the Fact that

## PACEMAKER BELTING

Is made exclusively from firm, closefibered centerstock leather, we are proud of our success in developing a cement and cementing process that holds the laps as strong and permanent as though soft and low grade stock were used.

## OLMSTED-FLINT COMPANY

FRANK M. SCHIFFMACHER  
President

EVERETT H. CARGEN  
Treasurer

*Manufacturers of Leather Belting*  
CAMBRIDGE - MASSACHUSETTS  
Telephones: University 7540, 7541, 7542, 7543.

1922 Continued

This concludes the second volume of notes from Course II, '22. Contact has been made with sixty-eight members of the class either by correspondence or rumor during the past year. It is surprising to note that 27% of the notices were to announce engagements of marriages. Not a bad record for cupid at all. Congratulations to the newlyweds of the year, and best wishes for an enjoyable summer to the still single members of the course.

#### Course VI

FEARING PRATT, *Secretary*, 120 Main St., Hingham, Mass.

Approaching spring has brought news reports from the course members which are indicative of the season. You will note that a matrimonial plot is included in each story released for this issue. The evidence is herewith submitted.

The Greenfield, Massachusetts, *Courier-Gazette* reports the following: "George Chutter, '22, VI-A, nephew of the Misses Chutter of Highland Avenue, and Miss Marion Jones, daughter of Mr. and Mrs. George Jones of Waitsfield, N. H., were married at the home of the bride on Sunday, February 17. Their home is to be in Schenectady, N. Y. Mr. Chutter is a graduate of the Mount Hermon school and the Massachusetts Institute of Technology. The bride is a graduate of Northfield Seminary and a student of the Wheelock Kindergarten School of Boston."

Your Course Secretary was an eye witness on May 1 of the occasion when Parke Appel "shoved off" on the sea of matrimony with Madeline Fox of Somerville. Their marriage took place at a home wedding at which several Tech fellows were present, including Larry Codding of our course. Mrs. Appel is a graduate of the Mt. Ida school, Class of 1917, and of Simmons College, Class of 1921. The bride and groom will make their new home at 12 Harding Avenue, Belmont, Mass.

Larry Codding is still with the Public Service Corporation of New Jersey and continues to grow prosperously stout.—Allen King has been heard from in Fargo, North Dakota. He is with the Northern States Power Company and at present is gaining steam plant experience in which he is very much interested. His card states that he is still in the state of "Single Blessedness" but intimates that he is slipping. Those who would like to sand or grease his tracks can reach him care of Union Light, Heat and Power Company, Fargo, N. D.

This will have to be all until the fall. A prosperous and enjoyable summer to the gang.

#### Courses VIII and IX

THOMAS H. GILL, *Secretary*, 520 East State St., Trenton, N. J.

During the two years that we have been out, I believe that very few of the old crowd have been heard from. I regret to state that many Eight and Niners are in this group. A course secretary must receive the utmost coöperation from the members of his course and without it, the class notes will fade to meaningless items. However, considering the membership size of Courses Eight and Nine I believe that we have done all that could be expected during the past year and I wish to take this opportunity to thank everybody that has so willingly contributed to the cause of the trusty Eight and Niners.

Mr. and Mrs. George F. Teague of Lexington, Mass., have announced the engagement of their daughter, Miss Dorothy Teague to Emil E. Taylor, one of the Eighters.

Rollin Baldwin reports from Yale that he expects a degree next year and that he has met Keith Robbins, I, and Windy Hammond, II, at meetings of the New Haven Tech Club.

Don Carpenter is back in his home-town, Wilkes-Barre, where through a six-month leave of absence from E. I. duPont de Nemours & Co., he has been able to manage the affairs of the B. G. Carpenter Company during his dad's absence on vacation. He reports Heine Horn as selling sheet iron paraphernalia as fast as it is manufactured and that he has all the local school board politicians lined up when it comes to putting a big job across.

Also, fellows, I wish to inform you of my engagement to Miss Elener Louise Pitcher of Brooklyn. Will let you know later about the wedding.

#### Course XIII

C. FORD BLANCHARD, *Secretary*, 17 Gramercy Park, New York, N. Y.

As usual, the Secretary (so-called) of Course XIII discovers that his notes are due just the day before they have to be met, so all his plans for circularizing the members of the course have to go over to the summer. It's his own fault, and makes it necessary that the memory be taxed and something be extemporized, rather than carefully prepared from written material.

J. A. Bowers, formerly of 115 Broadway and Elizabeth, N. J., is now of Buffalo, New York. He is still with the Worthington

#### INDUSTRIAL LIGHTING CODES.

In order to protect workers from accidents and eye sight damage, no less than five states, New York, New Jersey, Pennsylvania, Wisconsin and Oregon have now in force lighting codes for industrial establishments. Other states are now considering the adoption of an industrial lighting code, and it seems only a question of time when all the states will adopt such a code.

Proper lighting of work places is not only of great importance to the operators working therein, directly affecting their safety and eyesight, but it is a factor of equal importance to the employer, as quality and quantity of output are deciding factors of profit or loss in the operation of the plant.

The introduction to the Wisconsin code reads as follows: "Insufficient and improperly applied illumination is a prolific cause of industrial accidents. In the past few years numerous investigators, studying the cause of accidents, have found that the accident rate in plants with poor lighting is higher than similar plants which are well illuminated. Factories which have installed approved lighting have experienced reductions in their accidents which are very gratifying."

"Of even greater importance, poor lighting impairs vision. Because diminution of eyesight from this cause is gradual, it may take the individual years to become aware of it.

"This makes it all the more important to guard against the insidious effects of dim illumination, of glaring light sources shining in the eyes, of flickering light, of sharp shadows, of glare reflected from polished parts of work. To conserve the eyesight of the working class is a distinct economic gain to the state, but regardless of that, humanitarian considerations demand it."

"Finally, inadequate illumination decreases the production of the industries of the state, and to that extent, the wealth of its people. Factory managers who have installed improved illumination, are unanimous in the conviction that better lighting increases production and decreases spoilage."

The Wisconsin Commission has adopted a rule to the effect that, "diffusive or refractive window glass shall be used for the purpose of improving day light conditions or for the avoidance of eye strain, wherever the location of the work is such that the worker must face large window areas, through which excessively bright light may at times enter the building."

A glass is now available which meets the above requirements. It properly diffuses the light and prevents sun glare passing into the building and is known as Factrolite.

Engineers of to-day are making a thorough study of illumination, so that they may be able to plan and lay out industrial plants, to scientifically increase their efficiency to as near the maximum as possible. This accomplished the engineer is not only doing something worth while for his employer, but is doing quite as much for himself by coming into prominence with modern ideas.

If you are interested in the distribution of light through Factrolite, we will send you a copy of Laboratory Report—"Factrolited."

MISSISSIPPI WIRE GLASS CO.,

220 Fifth Avenue,

St. Louis.

New York.

Chicago.

1922 Continued

Company.—K. Bernard, also of that Company, was discovered on Broadway just last week. He had had an interesting experience on the S.S. Cubore, a Diesel boat, where he and Winslow were. Both are ashore now, Bernard being back with the Diesel Department of Worthington.—Also we saw Ward Shearer last week. He hangs on with Bethlehem Steel in spite of the depression, indicating that he must be considered one of their best men. We understand that Charles A. Chase has joined T. S. Greenwood in Francis Minot's Olsen & Thurber. It's a shame to have to report it but there has been a desertion from the ranks, a backslider as it were. This despicable person is none other than A. D. Matarese, whom we discovered in the corridors of the Institute recently struggling with Course XV stuff. Tony apparently feels that the shovel is handier than the rivet hammer.—G. C. C. Maling is reported to be still at Fore River, and deReynier is there also. Of course everyone has probably heard by this time of the marriage of Mr. J. H. Keenan to Miss Isabel Morrison of Brookline. They live now in Schenectady, where Joe holds out with the General Electric Company. He is reported to be quite an authority on steam turbines now.

It is surprising to note the tendency of graduates of this course to gravitate towards the shipbuilding business. Don Bixler is an example of those who deserve citation for their devotion to the cause. He is now with the Federal Ship in Newark. Those of us who grew up in the course from freshmen will probably recall Jack Heffernan. He was registered in Course XIII and attended classes occasionally. His engagement was reported in a Seattle newspaper last April.—D. F. Warner and E. A. S. Morse are still with the General Electric at Lynn, at least they were when we talked with Peggie last. And it is our guess that Welrose Newhall is still with the Electric Boat in Groton, Conn. C. F. Blanchard (who speaks in the third person) says that he spent three months in Detroit this winter on an unlimited expense account (think of the glory of that) for his former employer, the Ward Motor Vehicle Company. But now he is back in New York and works down-town. He has deserted the engineering field altogether and is in the office of Moody's Investors Service, down near the famous "Street." He would like to hear from all hands but supposes that is impossible unless he does some writing himself, which he will try to do, à la jellygraph, soon.

## PRINTING

An industry requiring an appreciation of the fine arts.

An industry requiring expert technical knowledge and mechanical ability.

An industry requiring an understanding of the sales problems of all industries.

When you buy printing, buy it where all the requirements of the industry are fulfilled.

## The Murray Printing Company

*At Kendall Square  
Cambridge*

### 1923

ROBERT E. HENDRIE, *Secretary, 47 Fairmont St., Cambridge, Mass.*

H. L. BOND, *Assistant Secretary, Room 1-181, M. I. T., Cambridge A, Mass.*

Now that we have all paid up our Endowment Policies, and received our July Reviews, there is nothing left to do this summer but take our hard-earned vacations and write to our respective Course Secretaries. We have had a fairly successful year for the 1923 notes and we wish to thank you all for your coöperation. We trust that you will remember to keep us posted during the summer as to the doings of yourselves and other 1923 men so that we may start an even more successful year in the fall.

That's all until November, boys. Best wishes for the summer months.

### Course I

J. M. ROBBINS, *Secretary, 42 Oak St., Belmont, Mass.*

The gensec has been giving Course I quite a vacation and, from the negligible amount of news which has come in, we judge that the gang has been taking full advantage of it.

Herb Leisk is among those whose intentions are better than their deeds, so we were agreeably surprised to meet him wandering about the Institute a month or so ago. Herb left the Telephone Company in New York early last summer and hooked up with Hazen & Whipple. With them, he was engaged on the design of the water purification plant for Providence. At length, the pleasures of the big town proved too much and he returned to his native heath, where we left him looking for a job.

Mal Naughten recently breezed in on a little vacation. He reports the work on the New York-New Jersey Vehicular Tunnel as varied and most interesting. His old side-kick, Jim Rooney, is back at the Institute completing the work for his Master's Degree.

Bob Hendrie has been transferred from the Fundamental Plan Department of the New England Telephone and Telegraph to a study of rates for the Boston Metropolitan District. We hope that Bob will remember the interests of certain of his classmates and effect a cut in the rate to Wellesley.—Gerry Putnam has left the Telephone Company to struggle along as best it may without him and is now with the Kalman Steel Co., of Boston, estimating steel for reinforced concrete.

Ed Pomykala was in this vicinity at the end of the second term. Construction on the dam on the Tallapoosa for the Alabama Power Company had been suspended, due to changes in plan and Ed was enjoying a leave of absence and, incidentally, looking for a job. Mal Naughten reports seeing him in New York later.—Spike Evans has left the Alabama Power Co., and is now with Stone & Webster in Georgia. We believe that Art Stuckey is with the same firm, but confirmatory evidence is lacking.

Walter Zapolski is with the S. M. I. people, the firm which gets out the trick circular steel reinforcement system patented by Smulski.—Alec Stewart has recently followed the oft-quoted advice of Horace Greeley, "Go West, young man, go West," and has left Cincinnati for Denver. What he expects to do in the Mile High City we have not heard as yet. From Alec's remarks upon Cincinnati, we gather that he would be apt to omit the city on the Ohio from the itinerary of one who would "see America first."

Si Rice expects to leave the Institute about the first of July to go with Stone & Webster. He will be in the Boston office, drafting and estimating. Dresel is likewise leaving and will drive to the Pacific coast, where he has located a job.—We hear that Ivan Tyler is on the Big Creek project in California.—A. M. Valentine is with the Rust Engineering Corporation of Pittsburgh and at present is building a coal bin for them in Utica, N. Y.

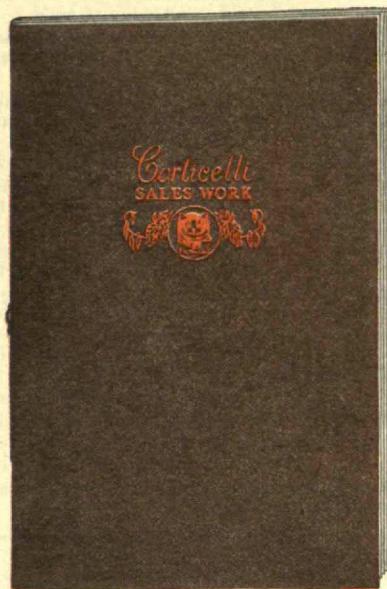
We hope there will be more to report when we next perform in the fall. At present, it is necessary to enlarge considerably on the meagre data available to obtain any copy at all. If we are not always strictly accurate in our statements, you all know how to correct the difficulty.

### Course III

BENJAMIN P. LANE, *Secretary, 1509 Hobart Building, San Francisco, Calif.*

All the prizes, gold medals, loving cups and other awards for promptness in replying to the last call for news are divided between Steve Metcalf and John Sullivan. Steve writes: "My headquarters at the present time are in Shreveport, La., whence I flit into the Texas, South Arkansas, and North Louisiana oil fields and operate under the title of Petroleum Engineer." Steve seems to like Louisiana very much, but he says going into Arkansas is "like getting out of bed in the morning."

Sully says: "You may tell the rest of our cock-eyed (those are



A small reproduction of  
the portfolio referred to

SALESROOMS:	
NEW YORK	PHILADELPHIA
CHICAGO	BOSTON
ST. LOUIS	BALTIMORE
CINCINNATI	SAN FRANCISCO
ST. PAUL	GLOVERSVILLE

**THE CORTICELLI SILK COMPANY**  
**SILK MANUFACTURERS**

Washington, D. C., Sept. 26, 1923.

Perry & Elliott Co.,  
Lynn, Mass.

Gentlemen: ADVERTISING PORTFOLIO

The big advertising portfolio which you made for us is being highly complimented everywhere. Our sales force is greatly pleased with it and says it is the best we have ever issued. The job is indeed one you can well be proud of and we want you to know that we certainly appreciate the good work you did on it.

Very truly yours,  
THE CORTICELLI SILK COMPANY

H. L. Hancock

## Advertising Department

A letter received  
by the printers of The Technology Review

by the printers of The Technology Review

*1923 Continued*

his words, not mine) classmates that I am punching a typewriter, leaning over a drafting board, and composing a few letters to take care of irate customers, when I am supposed to be learning the intricacies of the best Overhead Carrying System on the market."

Congratulations are due Joe Elliott, for his letter announces the birth of a daughter. Of course, any other news which Joe might add pales into insignificance, but to the responsibilities of the head of a family, Joe has added those of Secretary-Treasurer of the local alumni club. More congratulations, Joe, and sympathy from me on the secretary end of it.

Phil Stearns regrets that there is not much to tell, but says that he spent last summer "in Southern France, though I got into England for a few weeks and inspected the zinc and tin mines of Cornwall and the coal pits of Wales. The past year I have been occupied at the Harvard Business School. The course covers two years, and so I am looking forward to still another year of school. My plans after that are delightfully indefinite."

A letter from Yarotsky says that he is now in Johnstown, Pa. He says: "There was a time when Johnstown attracted nationwide attention, but that was so long ago that even survivors do not feel proud any more when mentioned as being in the flood." Yarotsky is now in the Cambria Plant of the Bethlehem Steel Co. In June, he says he was "second help on the open hearth furnaces. It was only pleasant recreation after weeks of battling with my thesis and three-hour struggles during exams. In September, I was trying my ability now and then as first helper on a 100-ton fixed O. H. furnace, and by the end of the year was established as such. In February, I received an offer to take charge of our gas house and decided to take that."

We all extend to Harry Green our deepest sympathy for the loss of his father on March 31. Harry says: "I expect to stay on this job as assistant in the Mining Department for another year, and expect to take a position in the Surveying and Mining Camp at Dover, N. J., this summer."

A bit of interesting information to us all regarding the course as it is now given, is that the Institute has now dropped "Thermo-chem" and other courses like that, and has added "Structure" and more mining courses.

Charlie Goldstein writes from the Utah Copper Co.: "I've

been acting out that beautiful late song 'I'm Forever Blowing Bubbles' in the Flotation Department for so long, that I now want something different. In fact, I crave it." He and John Flaherty are "going up to Elko, Nevada, to get into the oil shale work with the Catlin Shale Products Co."

Leo Hayes writes: "After receiving my sheepskin, I jumped into a flivver and cheerfully set out to conquer the West. I ended up in Eureka, Utah, on the business end of a shovel in the Eagle and Blue Bill Mine. From mucking, I graduated to timberman's helper and then to machine man or a 'yack hammer,' as my Fins instructor called it. I finally got tired of the camp and drew my time. After scouting around the lake for a few days, I landed with the Utah Apex here at Bingham as an Assistant Engineer."

John Flaherty wrote a letter just too late for publication in the last set of notes. Here it is. "I am still single, white, and twenty-one. I sleep well but not often and hook on three terrible nose bags daily. I was employed as mill operator at the Arthur Plant (Utah Copper Co.), but now am acting as assistant to the Assistant Field Engineer. Laugh that off! I'll wager I've had a short and snappy review of everything I ever slept through at M. I. T." John is now planning to go with Charlie Goldstein into Oil Shale work in Nevada.

into On Shore work in Nevada.

A letter from Ray Meekins was received just in the nick of time. Ray took the "loop" course with the Bethlehem Steel Co., after graduation and was then transferred to the Lackawanna Plant where he was mixer foreman in the Bessemer Department. He says: "Just before Christmas, however, I was spilled from a motorcycle and broke my leg, which necessitated a vacation at home besides one at the hospital." Ray says he has changed business and is "now with the Strong Steel Foundry Co. here in Buffalo, doing time study and cost research. It is quite a large foundry with a chance for a world of experience and I like it very much."

As for myself, I have jumped across the continent since I last submitted notes of the "greasy miners." I am now in the San Francisco sales office of the Sullivan Machinery Co. From here we cover all of California and parts of neighboring states, so my business compels me to travel a considerable portion of that "Golden West" you can see advertised in any *Saturday*

1923 Continued

*Evening Post*, or railroad time-table. It promises to be very interesting work, and I wish some of you were located in this vicinity, so that I could drop in on you now and then. Don't fail to let me know if your wanderings bring you near the Golden Gate.

## Course V

EDWARD J. DANEHY, *Secretary*, 25 Sargent St., Cambridge, Mass.

The Secretary is in receipt of a very interesting letter from Herm Bruson, now studying at the University of Zürich, which follows in part: "I suppose you will wonder what's wrong when you receive this letter, but you no doubt are looking for some Course V news of the Class of '23 and as we haven't contributed very much information, we'll blow off our steam now."

"Charlie Moore is working under Professor Fierz on some dye intermediates. Bill Gallup is under the same professor working out the absorption spectra of various dyes.

"As for myself, I am under Professor H. Staudinger working on synthetic rubber, resins and highly polymerized compounds. The results of my first six months' work are highly gratifying as I accidentally ran across a catalyst which polymerizes isoprene to rubber instantly at room temperature; it polymerizes cyclopentadiene to a hitherto unknown rubber analogue. With Chinese wood oil and various other unsaturated hydrocarbons, we get plastic materials similar to soluble Bakelite, etc. Needless to say, we have taken out patents covering the whole thing and my thesis is coming along so fast and I am finding so many new and interesting compounds that I can't analyze them fast enough. Just for example, I have already done twenty-eight carbon-hydrogen combustions and twelve carius determinations.

"A large American firm recently sent me a letter offering me a research job, but of course I can't accept it just now as I have a long time yet before I get my degree.

"Charlie and I live together not far from the school and outside of school work we have some whooping times. A few weeks ago we went to Lugano, and made many interesting excursions to the little villages in that section of the country. We speak German now fairly well—at least, the frauleins never guess we are Americans until we inadvertently forget ourselves and speak English. Of course, our caved in 'college hats' give our identity sometimes.

"In the laboratories we work eight to nine hours daily (lec-

tures are optional). None of us regret having come here, as the equipment and personnel are A-1. I am taking numerous photographs of various installations, which I hope to use maybe in fitting up a new laboratory in the States. That's what we're here for—to learn.

"Well, Ed, old top, how has the world been treating you? Would appreciate a letter from you. Regards to those we know at M. I. T."

I was somewhat surprised and in fact puzzled at receiving the following belated item: "Mrs. William C. Nicoll announces the marriage of her daughter, Catherine Crue, to Mr. George Wilbur Seymour, on Monday, the twenty-second of October, One thousand nine hundred and twenty-three, New York City."

Congratulations and best wishes from Course V to you, Count, old boy. Wonder who will be next in line? Surely our little course will most eventually make it a hundred per cent. Won't we, fellows? Oh, haven't heard a thing from Helen.

Brother Center is contemplating spending another summer with the National Aniline Co., at Buffalo. Charlie Roche is completing his first year as a hard-boiled assistant in 3-210.—Harry Nanejian recently severed his connections with the Organic Department to accept a position elsewhere.

At this time, the Secretary would like to warn the members of Course V that this is the last issue of *The Review*, before its reappearance in the fall, and so I am exhorting you here and now to write me a detailed account of yourselves during the summer months so that we may start the next school year off with a bang. Let me hear from everybody.

## Course VII

EARLE A. GRISWOLD, *Secretary*, 68 Broad St., Newark, N. J.

The second instalment of endowment insurance is now paid, thereby proving that a year has passed since, garbed in their black Ku Klux outfits, fortunate members of the Class of '23 received the much sought after parchment. How well the cruel world has succeeded in humbling this sturdy lot is questionable. I have heard neither of starvation nor suicide. Certainly it is to be hoped this "cruel world" so much discussed is a mythical place, that all '23 men have been very successful and that the coming year holds nothing but well-earned success and happiness.

Apparently, no one in Course VII can blink at the spotlight for more than one month at a time. This time, Milt Parker is absorbing all of the glow with a long list of accomplishments. Milt has re-established connections with the Heathized Butter Co., of Baltimore. His headquarters will be in the B. and P. H. Department, where he will carry on research work. Readers of the *Boston Post* have probably also noticed Milt's picture in that paper and the announcement that he was the recipient of a \$500 prize won in a letter writing contest. This would be enough for the ordinary man to do at one time, but not to be outdone in any field, Milt jumps from science to literature and from literature to love. The announcement on June first by Captain and Mrs. Jesse Smith, at Norfolk, Va., of the engagement of their daughter, Louise, to Milton E. Parker, has just been received. Milt certainly is worthy of our hearty congratulations.

Smoke Fuller is located at Warren, R. I., where he is developing an experimental process for the growing of oysters. This work is being done for the Warren Oyster Co., and we expect in a year's time oyster steaks will not be uncommon on the more up-to-date menus.

Phil Riley has just completed his first year as assistant in the Department of B. and P. H. We expect he will be back again in the fall, as he is working for his Ph.D. Just what his plans are for the summer is not known.—Bernie Proctor has completed his first year of a two-year scholarship at Boston University Medical, and it is reported that he is bearing up well under the strain of his work.—Tom Duffield, when last heard from, was still with the Health Section, League of Nations, with headquarters at Geneva.—Jerry Fitzgerald has been in Washington investigating the possibilities of becoming attached to a lucrative position with the Bureau of Fisheries.—Herman Swett, as far as is known, continues his work with the Bureau of Chemistry, Department of Agriculture, at Washington.

As for myself, there is nothing new. I continue to turn my cuffs on Wednesday and rarely miss the Saturday shine, no matter how much it costs. Am still living in Newark and would like to see any of the gang that get down this way.

## Course XIII

CLARENCE H. CHAISSON, *Secretary*, 57 Evergreen St., Chestnut Hill, Mass.

Klikoff writes that he is working as a draftsman for the New York Edison Company, but is undecided as to how long he will be with them.

Pete Pennypacker, our erstwhile musician, is still sticking

## How Did Your Garters Look This Morning?

To wait until you must have a pair of "Bostons" is to court danger. To feel well dressed always, your garters must be *fresh*.



GEORGE FROST COMPANY, MAKERS, BOSTON

*1923 Continued*

to the shipbuilding game in the Scientific Department, of the Cramp Shipyard in Philadelphia, Pa. He wished to be remembered to all the crowd and wants anyone who happens to be in Philadelphia to look him up. His address is 255 Kings Highway, East Haddonfield, New Jersey.

Charlie Shilowitz is rapidly on the road to becoming one of the wealthiest and most influential of our classmates. Anyway, if he is not, he ought to be, because he writes that he is branching out as a contractor, and has a goodly number of \$50 a week plumbers and carpenters on his payroll.

His first start after leaving school was in connection with some tunnel work for the New York City Engineers. He then changed over to contracting work, starting right out on the job with the men. He has recently finished an eight-story house, and two stores and reports a bright outlook which isn't bad for a beginning.

F. P. Montgomery, '02 Pres.

R. J. Marlow, '17, Treas.

**F. P. MONTGOMERY & CO.***INSURANCE*

130 WILLIAM STREET

NEW YORK CITY

Headquarters for  
LABORATORY APPARATUS AND CHEMICAL REAGENTS

**EIMER & AMEND**

Established 1851

NEW YORK, N. Y.

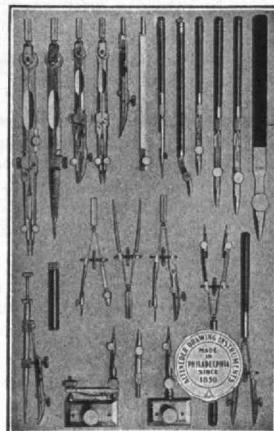
Third Ave., 18th to 19th Street

**BUFF****Transits and Levels**

are used on the largest work where utmost precision is required. *New catalog just issued.*

BUFF &amp; BUFF CO., Boston 30, Mass.

Rear 98 Green St., Jamaica Plain

**Alteneder  
Drawing Instruments**

Appreciated the world over for their excellence and universally used by the expert engineer and architect

*Catalogue on Request*

**Theo. Alteneder & Sons**  
1217 Spring Garden St., Phila.

**DILL & COLLINS CO.'S  
High Grade Printing Papers**

Especially Suitable for Collegiate Publications. Chosen by The Technology Review for this Magazine.

*Manufactured by***DILL & COLLINS CO. Philadelphia****CHARLES H. JOHNSON**  
M. I. T., '05*New England Mutual Life Insurance Company*

176 FEDERAL STREET Main 5571 BOSTON, MASS.

**THE ATLANTIC WORKS**

Incorporated 1853

BORDER, MAVERICK AND NEW STREETS, EAST BOSTON

*Builders of Stationary and Marine Boilers*

Steamships, Towboats, Steam Yachts and Heavy Machinery

**SAMSON CORDAGE WORKS**

MANUFACTURERS OF  
BRAIDED CORDAGE  
AND COTTON TWINES



SASH CORD, CLOTHES  
LINES, SMALL LINES  
ETC. SEND FOR CATALOG  
**MASS.**

**MERRIMAC CHEMICAL CO.**

148 STATE STREET, BOSTON, MASSACHUSETTS

WORKS AT  
WOBURN AND EVERETT, MASSACHUSETTS

*T*HE largest and oldest chemical concern  
in New England.

FOUNDED  
IN 1853**Spaulding-Moss Company**

Manufacturing Blue Printers  
Photostat and Litho Prints  
Drawing and Artist Supplies

A. H. SPAULDING '14  
P. B. TERRY '13

42 Franklin Street  
BOSTON  
Tel. Main 6000

DILL &amp; COLLINS CO.'

**High Grade Printing Papers**

# Classified Advertising

Mail addressed to a designation in care of this magazine will be promptly forwarded to the Advertiser.

Copy for advertisements must reach The Review by the tenth of the month preceding date of issue. The magazine goes on sale the 25th.

**RATES—Positions Vacant:** No display, 6 cents per word, minimum charge \$1.50, payable in advance.

**Positions Wanted:** No display, 3 cents per word, minimum charge \$0.75, payable in advance.

*The "Positions Wanted" Column is open only to Members of the Alumni Association in good standing.*

## Positions Vacant

A LARGE firm manufacturing industrial machinery proposes to undertake a study of standardization of the small parts which enter into its products. It is particularly desired to secure a man who has done such standardization work for some other company and a man with this experience will find it advantageous to make application. Address TECHNOLOGY REVIEW, D 3087.

A NATIONALLY advertised organization manufacturing record equipments has openings in eastern Massachusetts for salesmen. Men of good personality, qualified to sell high grade service will have an opportunity here to make a remunerative connection. Industrial engineering experience and acquaintance with cost accounting methods will prove valuable assets to men applying. Those selected will attend sales school at company's expense. Address TECHNOLOGY REVIEW, D 3084.

A PHYSICIST with over twenty years' experience is about to incorporate his laboratories and desires the services of a technical graduate who is willing, after the most careful investigation, to invest some money and become secretary of the new company. It is necessary that the candidate for this connection shall be proficient in English, Physics, and Chemistry. During the past year the organization has done over \$70,000 worth of business and the royalties on patents held exceeded \$13,000. This is a very good opportunity for a qualified man who is in a position to make an investment of capital as well as services. Address TECHNOLOGY REVIEW, D 3085.

A STATE college located in the South has an opening for two men to instruct in carding and spinning. One man will be at the head of the department and will be paid \$3500 a year. The other man will act as his assistant and will be paid \$2000 a year. A mechanical engineering graduate who has had textile experience should be able to qualify for one of these positions. Address TECHNOLOGY REVIEW, D 3088.

E XPERIENCED mechanical draftsman is wanted by a large firm of glass manufacturers to work on the design of furnaces and other structures in the company's plant. Knowledge of masonry design very desirable. Permanent employment assured to a man who can fulfill the requirements. Location New York State. Address TECHNOLOGY REVIEW, D 3090.

M ETALLURGIST who is particularly well trained or experienced in non-ferrous metallurgy and metallography and who is capable of taking entire charge of such work in a laboratory is wanted for a position in the vicinity of Philadelphia. Duties include maintenance and control of all heat treating equipment and high temperature measurements. Starting salary \$1800 to \$2400, depending on experience. Address TECHNOLOGY REVIEW, D 3086.

N ATIONALLY known firm manufacturing roofing materials, paint and varnish, linoleum and floor coverings, and gypsum products, with plants in various parts of the country, is looking for a number of young technical graduates. Opportunity will be given to learn manufacturing, purchasing or sales work, according to the natural tendencies of the candidates. Starting salaries will be normal and advancement will depend on the ability of the applicant. In replying, give details of previous experience and submit a recent snapshot or photograph. Address TECHNOLOGY REVIEW, D 3089.

## Positions Wanted

E DUCATOR trained and practiced in the science and industry of metal production and competent in teaching young men is open for college position on September first. Has had experience in best plants and schools of United States. Desires Professorship in Metallurgy, Metallography, or closely related study. Has master's degree and winning personality. Address TECHNOLOGY REVIEW, R 2066.

G RADUATE Chemical Engineer with fifteen years' experience in sugar manufacture, beet and cane sugar, with some refinery experience, seeks permanent connection with some American company in executive capacity. Understands design, erection, and operation of sugar factories. Has had Sales Engineering experience, speaks Spanish and will go anywhere. References supplied. Address Fournier, 1045 Genesee Street, Hollywood, California.

M EMBER of Class of '08, Course II, with unusually broad manufacturing experience wishes to locate permanently with progressive industrial organization. Experience in interchangeable parts manufacture, some textile and some wood-working experience. Has served apprenticeship at machinist trade and worked as machinist, foreman, superintendent, manager, and industrial engineer. Experienced investigator. Able to get along well with other people. Well fitted to act as general assistant to president or general manager or on special factory investigation. Address TECHNOLOGY REVIEW, R 2065.

R ESEARCH Engineer with seven years' experience in metallurgical and ore dressing research. Broad knowledge of inorganic and physical chemistry. Desires position as efficiency or development engineer. Address TECHNOLOGY REVIEW, R 2063.

S ALES and Manufacturing: A man with the following qualifications and executive connections will accept an opportunity at a very reasonable salary, if your business has a future or a fair profit sharing arrangement. Institute graduate, six years in sales and industrial engineering, then six years as factory manager and general manager with one fair sized concern. Can show results obtained. References from well known and responsible men. Might later make an investment in your company. Replies strictly confidential. Address TECHNOLOGY REVIEW, R 2060.

S ALES Engineer, over fifteen years' experience, power plant equipment, heavy steam electric generating equipment, semi-Diesel oil engines, contractors' excavating machinery, desires connection in sales executive capacity or will consider selling representation or agency. Have large engineering and business acquaintance in Middle West territory. Address TECHNOLOGY REVIEW, R 2064.

T ECHNOLOGY graduate with Ph.D., excellent training in mathematics and physics, desires position in an educational institution or responsible industrial research position. Address TECHNOLOGY REVIEW, R 2062.

## EXECUTIVES

William L. Fletcher, Inc., acting as employment managers for several hundred corporations, constantly has from 50 to 100 positions open for high grade men. Our Technical Department under the direction of a competent engineer can locate exactly the right man for any worthwhile position requiring technical education and experience. Our folder "The Story of an Interesting Business" will help you to understand exactly what we do and how we do it. Sent to employers, without obligation, upon request.

93 FEDERAL STREET

BOSTON, MASS.

# Professional Cards

*A Directory of Technology Graduates and Other Qualified Engineers*

**FAY, SPOFFORD & THORNDIKE  
CONSULTING ENGINEERS**

200 DEVONSHIRE STREET, BOSTON

INVESTIGATIONS REPORTS  
DESIGNS ENGINEERING SUPERVISION  
ENGINEERING MANAGEMENT VALUATIONS

BRIDGES BUILDINGS FOUNDATIONS  
PORT DEVELOPMENTS RIVER AND HARBOR WORKS  
INDUSTRIAL PLANTS HYDRAULIC DEVELOPMENTS  
WATER AND SEWERAGE SYSTEM

**T. C. DESMOND & CO., Inc.  
BUILDING CONSTRUCTION**

247 PARK AVENUE NEW YORK CITY  
-->

THOMAS C. DESMOND, M. I. T., '09, President

**STANLEY G. H. FITCH  
M. I. T. '00  
CERTIFIED PUBLIC ACCOUNTANT  
131 State Street - Boston, Mass.  
of PATTERSON, TEELE & DENNIS  
New York, Boston, Washington and Baltimore**

**WILLIAM T. REED COMPANY**

BUILDING CONSTRUCTION

200 DEVONSHIRE STREET

BOSTON 9, MASS.

**CHARLES S. GOODING, '79  
Solicitor of Patents  
Mechanical Engineer**

27 SCHOOL STREET

BOSTON 9

1923 Continued

Pat Boyd is reported to be with a floor covering concern in New York, although I have had no direct word from him.—Our friends from the Orient, Hua and Kobota, are still chasing degrees. Hua is taking a P.G. at the University of Michigan. Kobota is at the 'State.—A letter received the other day from W. F. McNary reports that he is still with Cox & Stevens, and after a rather slow winter is looking forward to a fairly busy summer.—Felipe Cadenas received his degree last Christmas, and has now resumed his official duties as Lieutenant Commander in the Cuban Navy. We know Felipe must be pretty busy paying all the social debts that we know he contracted during his four years absence at the 'State.

Our friend from Georgia, Mr. Loewus, is at the Graduate School of Business Administration, over at Harvard.—Archie Williams is looking forward to the termination of his arduous duties as Instructor in the Mechanical Engineering labs, and has accepted a position as director of a Y. M. C. A. Camp.

**METCALF & EDDY 14 BEACON STREET, BOSTON, MASS.  
Consulting Engineers**

LEONARD METCALF, '92 HARRISON P. EDDY CHARLES W. SHERMAN, '90  
ALMON L. FALES FRANK A. MARSTON JOHN P. WENTWORTH '10

Water Works, Sewerage Works, Industrial Wastes, Municipal Refuse, Drainage, Flood Protection, Supervision of Construction and Operation, Valuations, Laboratory for Chemical and Biological Analyses.

**CHARLES T. MAIN**

ENGINEER

200 DEVONSHIRE STREET, BOSTON, MASS.

Dugald C. Jackson

Edward L. Moreland

**JACKSON & MORELAND  
CONSULTING ENGINEERS**

387 WASHINGTON ST.

BOSTON, MASS.

**GEORGE P. DIKE**

M. I. T. ex '99

*Attorney-at-Law and Solicitor of Patents*  
350 Tremont Building, Boston, Mass.

of MACLEOD, CALVER, COPLAND & DIKE, Boston and Washington

**P. F. MAHER, '17**

*Public Accountant*

7 JUSTIN ROAD, BRIGHTON, MASS.

Audits Investigations Systems Tax Returns

FORMERLY MEMBER EXAMINING CORPS - U. S. PATENT OFFICE

**SAMUEL SIEGEL**

M. I. T. '17

GEOGETOWN LAW SCHOOL '21

**SOLICITOR OF PATENTS**

1 BEACON ST.

BOSTON

As for myself, I have left Sturtevant's but am following the same line of work with the C. J. Cox Engineering Co. in Cambridge.

Well, I guess that the line-up for this issue is complete. In my letters I urged the gang to either commit murder, get married or do some other desperate act, but somehow or other they haven't responded. I guess their nerve must be gone, although one or two reported that they will be in danger of succumbing to the wiles of the fair sex during the coming summer, so you might send up a few prayers for their safety on the long, summer moonlight evenings to come.



Attachments — 8' length Hose  
 Hose Connector  
 Wall Handle  
 Upholstery Tool  
 Wall Brush  
 Library Tool

## HARNESSED AIR IN THE HOME

An unseen servant that works willingly and thoroughly—this is the service of the model 15 Sturtevant Vacuum Cleaner. Quickly and easily, the Sturtevant Vacuum Cleaner removes not only the surface litter but ALL the dirt from every rug. This thorough cleaning brings back the beauty of the pattern and prolongs the life of your rugs by removing the grit that cuts the fibres. Attachments for EVERY corner and crevice that dirt knows.

You can place a model 15 in your home, confident that it will be a real servant; for 60 years of Sturtevant experience in harnessing air has been built into this cleaner that really cleans.

Sturtevant will work economically in your home; and Sturtevant engineers will tell you how harnessed air can bring economy in your plant or factory.

### BRING YOUR PROBLEM TO STURTEVANT

# B. F. STURTEVANT COMPANY

#### Sales Engineering Offices

Atlanta, Ga.  
 Boston, Mass.  
 Buffalo, N. Y.  
 Camden, N. J.  
 Chicago, Ill.  
 Cincinnati, Ohio  
 Cleveland, Ohio  
 Dallas, Tex.  
 Detroit, Mich.  
 Hartford, Conn.  
 Indianapolis, Ind.  
 Washington, D. C.

Los Angeles, Cal.  
 Montreal, P. Q.  
 New York City  
 Pittsburgh, Pa.  
 Portland, Ore.  
 Rochester, N. Y.  
 St. Louis, Mo.  
 Salt Lake City, Utah  
 San Francisco, Cal.  
 Seattle, Wash.  
 Toronto, Ont.

#### Plants located at

Hyde Park, Mass.  
 Sturtevant, Wis.

Berkeley, Cal.  
 Framingham, Mass.

Camden, N. J.  
 Galt, Ontario

#### Foreign Representatives

Sturtevant Engineering Co. Ltd.	London
Sturtevant Clie	Paris
American Trading Co.	Tokio
American Trading Co.	Shanghai
Catton Neill Eng. and Mach. Co.	Manila
H. P. Gregory & Co. Ltd.	Sydney
Blair, Reed & Co. Ltd.	Wellington
Wesselloff and Poor	Caracas
Wesselloff and Poor	Bogota
General Machinery Co.	Tampico
Pedro Martiante Inc.	Lima
Compania Italoo-Americanas de Importacion	Buenos Aires
A. E. Barker	Johannesburg



# The Massachusetts Institute of Technology CAMBRIDGE, MASS.

---

The Massachusetts Institute of Technology offers Courses, each of four years' duration, in Civil, Mechanical and Electrical Engineering; Naval Architecture and Marine Engineering; Mining Engineering and Metallurgy and Geology and Geological Engineering; Architecture and Architectural Engineering; Chemistry, Chemical Engineering and Electrochemical Engineering; Biology and Public Health and Sanitary Engineering; Physics, General Science and General Engineering; and in Engineering Administration. These Courses lead to the degree of Bachelor of Science.

To be admitted to the first year class, applicants must have attained the age of seventeen years, and must satisfactorily fulfill entrance requirements in Algebra, Plane and Solid Geometry, Trigonometry, Physics, Chemistry, English, History, and French or German and one elective subject. Examinations are required in all subjects except Chemistry, History and the elective, the requirements for which are fulfilled by the presentation of satisfactory certificates. A division of these entrance subjects between different examination periods is permitted.

Entrance examinations are held at the Institute in September. In June, applicants will be examined by the College Entrance Examination Board in Boston, New York, Philadelphia, Chicago and many other cities in America and Europe. A circular stating times and places is issued in advance by the College Board.

Graduates of colleges and scientific schools of collegiate grade, and in general all applicants presenting satisfactory certificates showing work done at another college corresponding to at least one year's work at the Institute, are admitted, without examination, to such advanced standing as is warranted by their previous training.

Graduate courses leading to the degrees of Master of Science, Master in Architecture, Doctor of Philosophy and Doctor of Science are also offered. Special research Laboratories of Physical Chemistry, Applied Chemistry and Science have been established.

## PUBLICATIONS

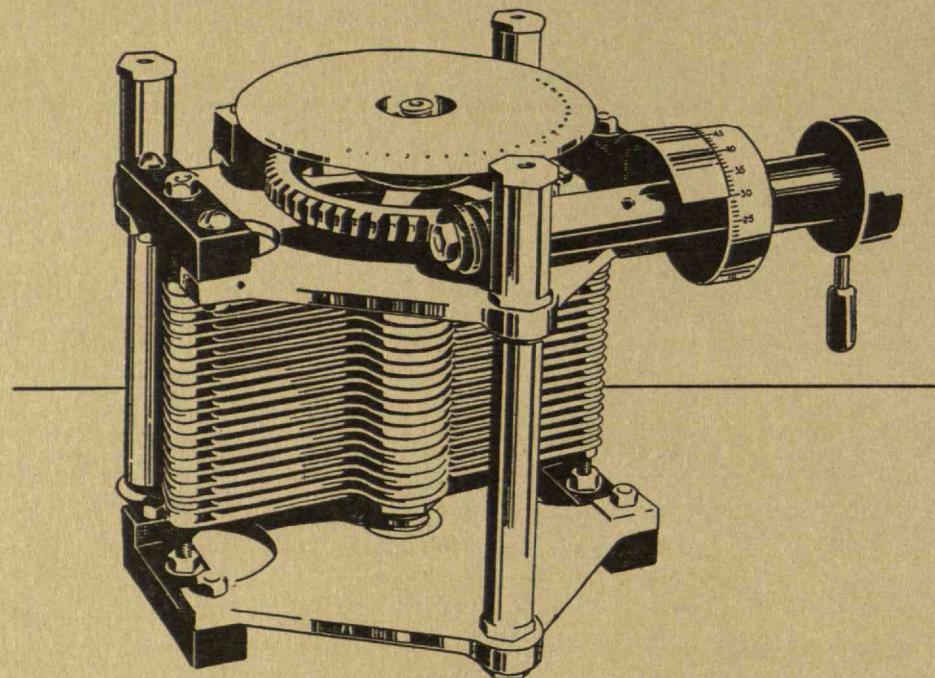
Bulletins of General Information, Courses of Study, Summer Session, Advanced Study and Research, and the report of the President and the Treasurer.

*Any of the above-named publications will be mailed free on application*

For Bulletins and Information address

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
CAMBRIDGE 39, MASS.

# PRECISION IN RADIO



The science of radio has reached its present day development only by careful study of fundamental principles. In this study, laboratory instruments capable of making extremely accurate measurements have been necessary.

For nearly a decade the General Radio Company has been manufacturing radio laboratory instruments and parts—the outstanding feature of which is PRECISION.

These instruments have been supplied to many well-known radio laboratories of the country, including the leading engineering colleges.

Let us discuss your problems with you.

Send for catalogue H

## GENERAL RADIO CO.

MANUFACTURERS OF  
RADIO AND ELECTRICAL LABORATORY APPARATUS

*Massachusetts Avenue and Windsor Street*  
**CAMBRIDGE 39**      **MASSACHUSETTS**